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# REPORT

# THE MANAGERS

# HAVERFORD COLLEGE.

TENTH MONTH 11th, 1875.

PHILADELPHIA:

GRANT. FAIRES & RODGERS, PRINTERS, 52 & 54 NORTH SIXTH ST.



# CORPORATION.

# SECRETARY, EDWARD BETTLE, Jr.,

TREASURER,
DAVID SCULL, JR.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JOSEPH W. TAYLOR, M. D.,
JAMES WHITALL,
HUGH D. VAIL,
JAS. CAREY THOMAS, M. D.,
BENJAMIN V. MARSH,
PHILIP C. GARRETT,
WILLIAM C. LONGSTRETH,
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GEORGE HOWLAND, JR.,
WILLIAM F. MOTT,
CHARLES HARTSHORNE,
WILLIAM G. RHOADS,
JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
JOHN S. HILLES,
EDWARD L. SCUIL.

SECRETARY OF THE BOARD, JAMES WHITALL.

Office, 169 North Tenth Street, Philadelphia.

# FACULTY

## AND OFFICERS OF INSTRUCTION.

# THOMAS CHASE, A. M., PRESIDENT.

AND PROFESSOR OF PHILOLOGY AND LITERATURE.

SAMUEL ALSOP, JR., A. M., SUPERINTENDENT,

AND PROFESSOR OF PHYSICS AND ASTRONOMY.

JOHN H. DILLINGHAM, A. M., PROFESSOR OF MORAL AND POLITICAL SCIENCE.

HENRY HARTSHORNE, M. D., A. M., PROFESSOR OF PHYSIOLOGY AND HYGIENE.

PLINY E. CHASE, A. M.,

PROFESSOR OF PHILOSOPHY AND LOGIC.

ISAAC SHARPLESS, S. B.,
PROFESSOR OF MATHEMATICS AND MECHANICS.

EDWARD D. COPE, A. M., LECTURER ON ZOOLOGY.

Encrosses on Books.

### TO THE

# HAVERFORD SCHOOL ASSOCIATION.

### THE MANAGERS REPORT:

That there are now 42 students in the College. Ten students were graduated at the recent Commencement, and the Degree of Master of Arts was conferred upon three former graduates who had furnished, by thesis or examination, satisfactory evidence of attainments in scholarship. The honorary Degree of Master of Arts was also conferred upon Samuel Alsop, Jr., on account of his attainments in Physical Science.

In the autumn of last year, the College sustained a serious loss in the removal by death of our late valued friend, Samuel J. Gummere, the President. His life from early manhood was devoted to teaching, for which service he was peculiarly fitted, by the accuracy and depth of his varied literary and scientific attainments, which were of a high order. But above all was the abiding steadfastness and humility of his Christian walk; he was kind and courteous to all, manifesting a concern for the best welfare of those under his care, of which there

are many witnesses; and it is believed that his labors of love have been blessed to many young men, during his residence of more than twenty years at the Institution as Professor and President.

To the position of President thus made vacant, our friend Thomas Chase has been appointed,—an appointment which his long and favorable connexion with the College has made very satisfactory to its friends.

In consequence of the death of Samuel J. Gummere, the arrangement made with the Faculty in the year 1871. as set forth in the report of that year, has been terminated; and a new agreement has been entered into with Thomas Chase and Samuel Alsop, Jr., similar in most respects to the former one, putting into their hands the care and control of the internal administration, and giving them an interest in the pecuniary results. It is believed that the experience and culture which our friend, Samuel Alsop, Jr., brings to the work, will prove of material benefit to the College.

The efforts which have been put forth of latter time to increase the comforts and facilities for education, in the various Colleges and Institutions of learning in our country, have attracted increased numbers of students and popularized them with the public.

The absence of these in the present building at Haverford has long been felt to be a disadvantage, and we have reason to believe, has had the effect of turning some students to other places offering more attractions and greater advantages for the pursuit of their studies. Under these circumstances, it is believed there is a necessity for improved accommodations, and the Managers have concluded to endeavor to collect funds for the erection of a new College building which shall combine the modern improvements; and it is hoped that this effort will meet with a liberal response from friends generally, in order that the building may be erected at the present favorable time for procuring materials and labor.

In accepting the office of President of the College, Professor Chase addressed to the Managers a letter, from which the following extracts are taken. The views herein set forth, in regard to the College and its future will, we doubt not, receive the hearty approval and active support of its friends.

"The time, I trust, has come when a vigorous and successful effort can be made to place the institution upon surer foundations, increase the number of students, enlarge and improve the accommodations for them, and in many ways raise the character and reputation of the College.

"Two things are especially desirable: a greater number of students, and the erection of a new building. The attainment of the second end will greatly conduce to the attainment of the first.

"Enlarged and improved accommodations will tend to attract new students; they are also needed for the best advantage of the students already here. The average age of our Freshman Classes at admission is now, as far as I can learn, about equal to what the age was at graduation of the students of 'Haverford School.' Great benefit would result from providing a large number of private studies (warmed, probably, by steam), and convenient bed-rooms. Larger, more commodious, and better ventilated class-rooms, are also needed. A room would be useful in which our mineralogical and similar collections could be effectively exhibited. These wants can be met only by the erection of an additional building or buildings.

"It will probably be well to make greater use than has been hitherto made of judicious canvassing and advertising, to make the advantages of a Haverford education better known, and secure such favor and influence as will turn the steps of more students hither. Our relations with introductory schools should be improved, that they may become feeders of the College. Above

all, it would be well that an Endowment Fund should be established, sufficient to enable us to reduce the rate of board and tuition for all the students.

"In the literary and scientific departments of the College, while our present standard is high, I believe that a still higher one should be aimed at, and can be attained. I hope to be able to give some personal assistance to the different Professors, to this end. As the character of the College is raised, and its facilities increased, it will be easier to insist upon the thorough preparation of candidates for admission. Greater efforts may well be made for the increase of the Library, and Apparatus of all kinds, and greater attention paid to their proper care and use.

"Without extravagant anticipations of the immediate attainment of all of these objects, yet ought we not to keep them constantly before us, and to commend them to the consideration of all the friends of our College? I may reverently say that I believe that a blessing from on High will attend our efforts to increase the influence and efficiency of this institution, as a nursery of sound learning and genuine faith. May we be guided, in all our steps to this end, by a wisdom higher than our own."

At the recent annual meeting of the Alumni of the College, a large committee was appointed to aid in the effort for the erection of the proposed new building, and it is gratifying to find this evidence of continued interest on the part of former students.

While the Managers look towards furnishing greater comforts for the students, and better opportunities for study, and confidently expect an advance in the fulness, variety, and thoroughness of instruction afforded at the College, they are not unmindful of the primary object of the Institution. We trust that the example and teachings of a corps of professors established by independent conviction in the great principles of Christianity as understood by Friends, will have a permanent influence on the views and lives of the students under their care. The discipline will appeal to the sense of right in the student, and by developing the exercise of self-control, fit him more

fully for the realities of practical life. This requires that students should not enter at too early a period of youth, before being able to appreciate such a mode of government, or to assume the responsibility involved in not conforming to it, when administered with frankness, patience, and firmness.

For such an institution as Haverford College, progress is a necessary law of its being. In making enlarged provision for the home life of the students,—for more ample extent of study and instruction, and more complete appliances therefor,—in demanding a higher grade of qualification on admission,—and in the carrying out a discipline adapted to the change from a School to a College, we believe we are but acting out this necessary law, and are taking steps to maintain Haverford as a College worthy of the support of the whole Society of Friends in America. We commend it as such to their Christian interest, and especially to the friends of learning among them, knowing that it can only flourish as it receives such universal and generous support.

The important and responsible positions, both religious and civil, which have been occupied and continue to be filled by the graduates of Haverford in various parts of our country, have often been the subject of remark, and these are strong testimonies in favor of the excellence of the Institution, and its exceeding importance to the Society of Friends.

The number of volumes now in the College Library, as reported by the Librarian, is 6,685, being an increase

of 420 over the number reported last year. Of this increase, 287 volumes have been presented by donation, and the remainder purchased with the income of the Library Fund. Of the volumes donated, 244 were from the Library of the late President, Samuel J. Gummere, purchased by subscription for the College. Including the Loganian and other Society Libraries, there are about 10,500 books in the Library Hall, accessible to all the members of the College.

The Managers, believing that the corporate title of the Association is no longer appropriate, have taken measures to enter an application in the proper Court, to change the title to "The Corporation of Haverford College," and propose at the same time to ask for authority for the Corporation to take and hold real and personal estate of the clear annual value of \$35,000 in addition to the amount now authorized by law, making \$50,000 in all.

Owing to the want of a quorum, the annual meeting of the Association, in 1874, was not held. Hence, the report for that year was not printed, but extracts therefrom are presented with this.

The statements of the Treasurers of the Association and of the Library Fund are herewith submitted.

By direction of the Board.

JAMES WHITALL,

Secretary.

PHILADELPHIA, 10 mo. 8, 1875.

# Extracts from the Report dated 10th Mo. 9, 1874.

There are now 48 students in the College, of whom 35 are members of the Religious Society of Friends.

At the recent Commencement, the Diploma of the College was conferred upon all the members of the Senior Class, ten in number, and the Degree of Master of Arts upon a member of the class of 1871, he having passed with credit an examination on the Pauline Epistles in Greek.

\* \* \* \* \* \*

The executors of the estate of our late friend, Jesse George, deceased, under the power derived from his will to appropriate the residuary estate at their discretion for charitable and educational purposes, have made a donation of \$5000 to our Funds. This acceptable gift has been added to the Endowment Fund.

The maintenance and increase of the Library have received the careful attention of the Officers and Managers of the College. No book is purchased without being recommended by the Faculty unanimously, and also approved by the Library Committee. 417 volumes (including 82 ordered, but not yet received) have been added during the past year. Included in this increase are dona-

tions amounting to 138 volumes, of which 120 are the gift of Rachel Grellet, from the library of her father, the late Stephen Grellet. Among these are an ancient copy of the Vulgate Bible, and an old edition in black-letter of the works of Tyndale and of Frith. The purchases have been of standard works of permanent value, and have been made chiefly of history, philology, general science and mathematics. The number of volumes in the Library is 6265. Works of a more current and general literary interest than those bought for the College Library, continue to be added as usual to the Libraries of the Societies of the Officers and Students.

## TREASURER'S ACCOUNT.

FOR THE YEAR ENDING TENTH MONTH, 8th, 1874.

## RECEIPTS.

Balance in Treasurer's hands, 10th month, 1st, 1873\$ 15         Income of Endowment Fund	39 36 72 23 39 36 33 39					
Donation from Executors of Jesse George Estate 5,00						
Land Damages for opening Road	5 00					
\$15,62	6 86					
PAYMENTS.						
Paid Faculty \$ 3,00	00 00					
Board and Tuition for Free Scholarships	5 00					
Investment of Donation from Jesse George Estate 5,00	00 00					
" Surplus Income 1,30	00					
Library Committee	9 36					
Loan Paid Off	00 0					
Interest 21	6 22					
Office Rent and Expenses	75					
Sundry Improvements at College	1 13					
Insurance	6 40					
Incidentals 6	3 36					
Balance in Treasurer's hands, 10th month, 8th, 1874 3	3 64					

\$15,626 86

## TREASURER'S ACCOUNT.

FROM TENTH MONTH, 8TH, 1874, TO NINTH MONTH, 3D, 1875.

#### RECEIPTS.

Balance in	Treasurer's hands, 10th month, 8th, 1874 \$ 33 64	
Income of	Endowment Fund 5,548 85	
"	T. P. Cope Fund	
"	Edw. Yarnall Fund 276 80	
"	Library Fund 640 10	
Securities matured and paid		
Balance d	ue Treasurer 9th month, 3d, 1875 456 47	
	\$17.331 86	

## PAYMENTS.

Paid Faculty	\$ 3,750	00
Board and Tuition for Free Scholarships	1,487	50
Re-investments	10,000	00
Library Committee	640	10
Office Rent and Expenses	84	00
Repairs and Improvements	1,047	60
Farm Account	252	36
Insurance	45	80
Incidentals	24	50

\$17,331 86



# LIBRARY FUND.

STATEMENT FROM TENTH MONTH, 1st, 1873, TO TENTH MONTH, 1st, 1875.

1873. 10th mo. 1.	Balance on hand \$ 959 48	;
1875. 10th mo. 1.	Received during two years	1
	\$2,276 11	
1875.		
10th mo. 1.	Paid during two years for Books, Periodicals,	
	Binding, and Expenses, 1,410 29	
1875.		
10th mo. 1.	Balance on hand \$ 865 82	

### EXTRACT

FROM

# Minutes of the Association.

"At the Annual Meeting of the Haverford School Association, held Tenth Month 11th, 1875.

The action of the Managers in taking steps to change the title of the Association to "The Corporation of Haverford College," was approved, and they were instructed to take such action, in this connection, as they may deem advisable. The application to the Court, made by the Board of Managers, to give the Association authority to take and hold real and personal estate of the clear annual value of \$35,000, in addition to the amount now authorized by law, making \$50,000 in all, was also approved."

[Taken from the Minutes.]

EDWARD BETTLE, JR., Secretary.

# AMENDMENTS TO CHARTER.

On the 6th day of Twelfth Month, 1875, the Court of Common Pleas of Delaware County, granted the two following Amendments to the Charter of "Haverford School Association" as set forth in the order of Court given below, the Petition therefor having been presented in due form:

- "I. The name style and title of the "Haverford School Association" is changed to and shall hereafter be "The Corporation of Haverford College."
- II. The said Corporation shall have authority to take and hold, real and personal estate of the clear yearly value of Fifty Thousand Dollars, provided that not more than Twenty Thousand Dollars thereof shall be derived from real estate, and provided further that nothing in these amendments shall be taken to impair the right of said Corporation to accept and hold devises and bequests not exceeding with other property the limits hereby ordained, or to affect any other provision of the aforesaid Charter not hereby expressly altered."

#### IN THE COURT OF COMMON PLEAS OF THE COUNTY OF DELAWARE.

In the matter of the Petition of the "Haverford School Association," to have certain Amendments made to their Charter,

Be it remembered that on the First day of November A. D., 1875, the foregoing Petition and accompanying Amendments to the Charter of the "Haverford School Association" were exhibited to the Court, and the Court being of the opinion that the said Amendments are lawful and beneficial and do not conflict with the Constitution or the requirements of the Act of Assembly of this Commonwealth, entitled "An Act to provide for the incorporation and regulation of certain corporations," approved the twenty-ninth day of April, Anno Domini

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Eighteen Hundred and Seventy-four, do direct that notice be given of the said application in two newspapers of general circulation, published in the County of Delaware.

And now, December 6th, 1875, due proof having been made to the Court of the publication of notice of the foregoing application in accordance with the above order of Court, it is ordered and decreed that the foregoing Amendments be recorded in the Office for recording Deeds, etc., in and for said County of Delaware, and that thereupon the same shall be deemed and taken to be a part of the Charter of said Corporation.

In witness whereof I have hereunto set my hand and affixed the seal of said Court.

Isaac Johnson,

SEAL

Prothonotary.

Recorded in the Office for Recording Deeds, &c., in and for Delaware County, Penna., in Deed Book "W., No. 3," page 605, etc.

Witness my hand and seal of office, this Sixth day of December, Anno Domini, 1875.

C. P. WALTER,

Recorder.



#### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

#### FORM OF A LEGACY,

I give and bequeath, (if personal)—a	levise (if real) to "The Corpora-
tion of Haverford College," the sum of	
	, (or if real estate, de-
scribe it)	to have and
to hold, to them, their successors and	assigns, to the use of the said
" The Corporation of Haverford College	e," their successors and assigns.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Second day in the Tenth Month, at 3 P. M.

The stated meetings of the Managers are held on the first Sixth day in the Third, Sixth, Ninth, and Twelfth Months, at  $3\frac{1}{2}$  P. M.

# CIRCULAR.

#### HAVERFORD COLLEGE

Is open for the admission of the sons of Friends, and of others, who are willing that their children should be educated in conformity with our Christian principles. Its course of study is so thorough and liberal, that its graduates take rank with those of the foremost colleges in America. Its location is remarkably healthy, its grounds extensive and attractive, and it provides for its students an agreeable and comfortable home. Endeavoring to promote sound moral, as well as intellectual culture, it aims to be a family of Christian scholars; and this is a distinctive feature in its character.

There are three Terms in the year, commencing near the beginning of the 1st month, near the end of the 4th month, and at about the beginning of the 9th month, respectively. The next academical year will open Ninth month 6th, 1876. The price of Board and Tuition is \$425.00 per annum, payable one half at the beginning, and one half at the middle, of the College year. Washing is charged at the rate of 75 cents per dozen. All articles of clothing, as well as towels, napkins, umbrellas, etc., should be marked legibly with the student's name. Text-books and stationery can be purchased at the College.

#### APPLICATIONS FOR ADMISSION

Should be made to the President, Thomas Chase, Haverford College P. O., Montgomery County, Pa. Each candidate must bring a certificate of good moral character from his last teacher. Candidates will

present themselves at the College for examination on the afternoon of Commencement Day, (Sixth month 28th, 1876), or at 9 o'clock on the morning preceding the opening of the Term at which they desire to enter. The College is situated near Haverford College Station, on the Pennsylvania Railroad, about nine miles from Philadelphia.

#### REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

In Classics, a familiar knowledge of the paradigms, and of the leading rules of Syntax, in *Latin* and *Greek Grammar*, to be tested, in part, by writing easy sentences in Latin and Greek. Also, ability to give, after two hours' study, with the aid of a Lexicon, a literal translation of a passage not before read by the candidate, both in Latin and Greek prose or verse, and to apply the proper rules of Syntax to the constructions in that passage.

Candidates are recommended to read the books of a preparatory course in Greek and Latin which are ordinarily prescribed in the requisitions for admission to American colleges; but this course may be varied at the discretion of teachers, provided the candidate is found to possess sufficient knowledge of both languages to enable him to pursue, with facility and advantage, the studies of the Freshman Year.

In Mathematics, a good knowledge of Arithmetic, and of Algebra as far as Quadratic Equations, is required. It will be for the advantage of the student to have broken ground in Geometry, by studying (for instance) the first two books of Euclid or of Davies' Legendre.

Candidates are also required to be familiar with *English Grammar* and *Spelling, Geography*, and the *History of the United States*; also with the leading facts of Greek and Roman History.

Students may be admitted to advanced Classes, if found fully prepared for admission to the *Freshman Class*, and *also* in all *the regular studies of the Course* up to the point at which they enter.

Students well-prepared in all the studies, who cannot afford the full payment, but whose purpose is to make the best use of their opportunities, if admitted, are invited to make known their case to the President.

The following is the Course of Study.

#### FRESHMAN YEAR.

New Testament, Euclid's Geometry, Alsop's Algebra, Gummere's Plane Trigonometry, Gummere's Surveying, begun, Xenophon and Herodotus, Review of Greek Grammar, Exercises in writing Greek,

Livy, Review of Latin Grammar, Exercises in writing Latin, Cleveland's Compendium of English Literature, Hart's Rhetoric, Compositions, Guyot's Earth and Man, Hooker's Natural History, Wood's or Gray's Botany, Greek, Roman, and Mediæval History.

#### SOPHOMORE YEAR.

The Bible, Surveying, with Field Practice, Lewis's Spherical Trigonometry, Conic Sections, and Spherical Projections, Loomis's Natural Philosophy, Herschel's Astronomy, Homer's Iliad, Plato's Apology and Crito, Exercises in writing Greek, Horace, The Germania and Agricola of Tacitus, Exercises in writing Latin, March's Philological Study of the English Language, Dymond's Essays on Morality, Wayland's Political Economy, Modern History, Themes.

#### JUNIOR YEAR.

Greek Testament, Analytical Geometry, Differential and Integral Calculus, Quaternions (optional), Astronomy (finished), The Prometheus of Æschylus, Thucydides, The Antigone of Sophocles, Exercises in writing Greek, Satires and Epistles of Horace, Juvenal, Cicero's Tusculan Disputations and Somnium Scipionis, Exercises in writing Latin, Anglo-Saxon, Knapp's French Grammar, Télémaque, Histoire de Charles XII., Whately's Rhetoric, Whately's Logic, Dana's Geology, Eliot and Storer's Chemistry, Paley's Evidences of Christianity, Kent's Commentaries on the Law of Nations and American Law, Anatomy and Physiology, History, Forensics.

#### SENIOR YEAR.

Greek Testament, Analytical Mechanics, Optics, Acoustics, &c., Loomis's Practical Astronomy, Practice in the Observatory, Demosthenes on the Crown, Exercises in writing Greek, The Captivi of Plautus, Cicero's or Pliny's Letters, The Ancient Pronunciation of Latin, Latin Compositions, Whitney's German Grammar and Reader, Schiller's Wilhelm Tell (for advanced students), Whitney's Science of Language, Haven's Mental Philosophy, Porter's Human Intellect, Lectures on the Preservation of Health, Gurney's Observations, Barclay's Apology, Butler's Analogy, Arnold's Lectures on Modern History. Guizot's History of Modern Civilization, Hallam.

Further information may be obtained by addressing Thomas Chase, President, or Samuel Alsop, Jr., Superintendent, Haverford College P. O., Montgomery Co., Pennsylvania.

# **REPORT**

# THE MANAGERS

# HAVERFORD COLLEGE.

TENTH MONTH 9th, 1876.

## PHILADELPHIA:

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# **REPORT**



# THE MANAGERS

# HAVERFORD COLLEGE.

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# CORPORATION.

# SECRETARY, EDWARD BETTLE, Jr.

TREASURER,
DAVID SCULL, Jr.,
128 Market St., Philadelphia.

#### MANAGERS.

WISTAR MORRIS,
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CHARLES ROBERTS,
EDWARD L. SCULL,
CHARLES S. TAYLOR.

SECRETARY OF THE BOARD,

JAMES WHITALL.

# FACULTY

AND

### OFFICERS OF INSTRUCTION.

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PROFESSOR OF MATHEMATICS, MECHANICS, AND HYGIENE.

THOMAS E. TAYLOR, A. B.,

ASSISTANT SUPERINTENDENT,

AND TUTOR IN GREEK AND MATHEMATICS.

EDWARD D. COPE, A. M., LECTURER ON ZOOLOGY.

## THE CORPORATION

OF

# HAVERFORD COLLEGE.

## THE MANAGERS REPORT:

That fourteen students were graduated at the Commencement of 1876, being the largest class of Graduates since the foundation of the Institution. The Degree of Master of Arts was conferred upon three former graduates, and the honorary Degree of LL.D. upon Pliny E. Chase, on account of his attainments and original researches in Mental and Physical Philosophy.

There are now 42 students in the College.

During the past year the Faculty devoted earnest effort to the maintenance of a wholesome state of discipline, and to the elevation of the scholastic standard of the College. It should be gratefully recorded that a deep and very general interest in their religious welfare was manifested among the students in the latter part of the Fall

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Term, and has since prevailed; and that this interest—so gratifying in every respect—has borne appropriate fruit, in a disposition to good order, and greatly aided the officers in the discharge of their responsible duties.

A course for the Degree of Bachelor of Science has been established, and the elective system adopted to a limited extent in the last year and a half of the classical course, and in the last year of the scientific course. By this means it is expected that the College will be enabled to meet the needs of a larger number of students.

In accordance with the plans laid before the Corporation at the last annual meeting, the Managers have proceeded with the erection of a new building, subscriptions for the sum required for this purpose having been secured. In order to distinguish this from the other buildings of the College, it will be known as "Barclay Hall." It is now nearly under roof, but can hardly be completed and ready for occupancy before the coming summer. Further considerable subscriptions will be required for heating-apparatus, furnishing, and the improvements in the old building, contemplated in the plans adopted. It has been the intention of the Managers to endeavor to raise at least \$100,000 for the new Hall and these and other improvements. Of this sum, about \$73,000 have already been subscribed, sixty-five per cent. of which has been called in by the Treasurer of the Fund. statement of the receipts and expenditures on this account will be furnished when the Fund is finally made up and the work completed.

The Corporation has received from Isaiah V. Williamson, of Philadelphia, a liberal donation of six yearly Ground Rents amounting in all to about \$600 per annum, in trust "to appropriate the net income, interest and "arrears of said Yearly Ground Rents to the establishment and support of Free Scholarships in the College of "said Corporation and for no other purpose whatsoever, "and the principal thereof to keep forever whole and intact." The income of this fund is now usefully employed in the education of students.

The financial results of the working of the College for the past two years, owing to the reduced number of students and the liberal provision made for the various household expenses, have not been so satisfactory as could have been wished. The arrangement with the Faculty includes the guarantee to them of a certain amount as salary, and this can hardly be met without a larger number of students. The present debt of the Corporation is about \$7,400. The admissions this year are double the number of last,\* and the Managers anticipate that with the comforts and facilities of the new building, and the advantages of the Scientific Course, the increase in numbers will be steady and permanent.

The scholastic condition of the College has been, perhaps, never more satisfactory than now. Both morally and intellectually, a state has been reached very

<sup>\*</sup>The number of students admitted this term is 18. The Freshman class consists of 14 members, of the average age of 19 years.

favorable to future growth and progress. It remains for us to build up. Nothing is more to be desired at present than that the advantages of residence and training at Haverford should be more widely known, and a larger number of students admitted to their enjoyment. We think no other institution in the country combines so many of the advantages desired by careful parents.

There are few ways in which wealth could be more usefully employed than in enlarging the endowment of the Corporation, whereby the rates of charge may be reduced, thus rendering the high grade of education offered by the College more easily accessible to the young men of our Religious Society generally.

The number of volumes in the College Library is 7,000; being an increase of 315 in the year. Of this number 62 have been received by donation; among these are very handsome and valuable copies of Walton's Biblia Polyglotta in six volumes folio, printed in 1657, and Custell's Lexicon Heptaglotton, 2 volumes folio, 1669, the gifts of our friend, J. Bevan Braithwaite, of London. periodicals taken by the Library have been accumulating for some years. Of these, all that were thought worth it have been bound and placed upon the shelves. matting has been laid on the floor, and lamps placed permanently in each alcove, thus much increasing the value of the Hall as a reading-room. It is now opened for that purpose four hours daily. The increased use made of the books and of the reading-room as a result of these improvements, is very noticeable and gratifying.

The difficulty of consulting the books by means of the imperfect catalogue heretofore in use, having long been recognized, it was concluded to make a card catalogue, such as the experience of most librarians has shown to be best adapted to the needs of the general reader. This is nearly finished, and will be opened for use in a few weeks. It is believed that the new catalogue, by rendering it easy for any one to see at once what is in the Library on a given subject, and to find desired books promptly, will give an additional impetus to its use, and thus be worth far more than its cost. The three Societies expect to catalogue their Libraries in the same way. These cards will all be placed in the College case, thus enabling the reader to consult the four Libraries as one whole.

The annual statements of the Treasurers of the Corporation and of the Library Fund are submitted herewith.

By direction of the Board.

James Whitall,
Secretary.

PHILADELPHIA, 10 mo. 4, 1876.

### TO THE

## BOARD OF MANAGERS

OF

# HAVERFORD COLLEGE.

At the close of my first full year of service as President, I respectfully present the following Report:

It has been the earnest, and, as we believe, successful endeavor of the officers of the College, to maintain a wholesome state of discipline and a high scholastic standard. For the former of these objects, the aid of parents was satisfactorily enlisted. It should be the unvarying rule in an institution like this, that the most entire frankness be used in informing parents of the general conduct and character of their sons, as they appear to the officers, so that parents and teachers may work together to promote the welfare and progress of the students, as an object which both have sincerely at heart.

As respects our literary standard, the Faculty regard it as a fixed principle that no student ought to remain here, who, after kind encouragement and fair and sufficient trial, fails to perform his recitations and other scholastic exercises in a satisfactory manner. Good teachers, it is

true, are often successful in inspiring a love of study even in the thoughtless; but if no such love can be excited, the boy belongs somewhere else than in college.

Four years ago, steps were taken for the establishment of courses of study preparatory to the Degrees of Bachelor of Science and Civil Engineer; but, although a few students were admitted in the Fall of 1872 on scientific courses, the movement proved to be premature. Believing, however, that there is a demand in the community for collegiate instruction leading to such degrees, we have carefully drawn up a programme of scientific study and organized a scientific department more systematically than in the former effort. The teaching-force at Haverford was never better adapted for the success of such an experiment than at present. We have also introduced in the last year and a half of our course in the department of arts, to a small extent and within well-defined limits, the liberty of election between certain studies. This, too, is in accordance with a tendency of our day and the example of some other colleges. We concur, however, with the wisest educators of our own and of all times, in the opinion that unrestricted freedom of election is suited only for full-grown men, admitted to universities after having laid well a broad and generous foundation of comprehensive general study; and that it ought never to be admitted here to any such extent as to diminish the breadth of culture which characterizes the true scholar and has so long been our ideal at Haverford. It would be an imposition upon the community to confer Baccalaureate Degrees upon persons destitute of that comprehensive, as well as thorough, mental training, which such titles are understood to attest.

The more intimate the relations and the more perfect the understanding between colleges and their natural feeders, high-schools, the better it is for the interests of both parties. The college is at once the goal and the prize of faithful diligence in the school; without the thorough preparation of the school, the work of the college cannot be performed with facility and to the best advantage. No surer test of a student's fitness to enter a collegiate class could be desired, than the judgment of an accomplished Master who knows well both the pupil and the college. It might not be unwise to imitate the German universities in accepting a "certificate of ripeness" from such Masters as sufficient title to admission as Freshman. We feel it safe, and have decided, to accept. in the case of applicants, satisfactory examination-papers written under proper safe-guards at first-class schools, sent to us by the teachers and properly attested, so far as they cover the same grounds as our own requisitions. Wherever they fall short of this, they must of course be supplemented by our regular entrance-examinations.

Lectures, of even unusual interest and value, were delivered before the whole college in the past winter, on the subjects following: viz.: a course on the Preservation of Health, by Prof. Hartshorne; a course on Zoology, by Prof. Cope; and a course on Modern Scientific Investigations and Theories, by Prof. Pliny E. Chase. A very

acceptable lecture, containing notes of travel in Switzer-land and France, was also kindly given by our friend and neighbor, Ellis Yarnall. In the guidance of the classes and their daily instruction in the recitation-rooms—the grand work of a place of intellectual training—all the Professors have labored with faithfulness and success.

On the afternoon of each of the First-days of the academic year, the President read, before those students who remained at Haverford, extracts from religious books believed to be instructive and edifying. A voluntary Bible-class of the students, generally attended by some of the Professors, assembled on First-day evenings in the Matron's parlor. All of the students have continued to attend regularly the meetings for worship in the Friends' Meeting-House on Fifth-day morning, and those who were at the College have attended also on First-days.

A deep interest in their religious welfare manifested itself among the students at the beginning of the year 1876, and has continued to prevail. With thankfulness to the Giver of every good gift, we acknowledge it as His work; and we solicit the prayers of the friends of Haverford, that He will vouchsafe the continuance of this and other blessings. Advancing with faith and courage, we may count success in our high enterprise as sure.

THOMAS CHASE,

President.

HAVERFORD COLLEGE, 8th mo. 1st, 1876.

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## TREASURER'S ACCOUNT.

FROM NINTH MONTH 3D, 1875, TO EIGHTH MONTH 17TH, 1876.

### RECEIPTS.

Incom	e of	Endowment Fund	<b>\$5,473</b>	88
"	"	T. P. Cope Fund	388	00
"	"	Edw. Yarnall Fund	275	15
"	"	Library Fund	507	23
Securities matured and paid		7,753	00	
Loans			7,937	83
Subscriptions and Donations			600	00
			<b>\$</b> 22,935	09

### PAYMENTS.

Balance due Treasurer 9th mo. 3d, 1875				
Paid Faculty				
" Former Faculty in settlement				
" in settlement of old accounts and refurnishing	2,969	<b>45</b> .		
Board and Tuition. Scholarships	850	00		
Temporary Investments				
Farm Account				
Library Committee				
Interest	232	65		
Insurance	159	50		
Printing	100	15		
Office Rent and Expenses				
Incidentals				
Balance in Treasurer's hands 8 mo. 17, 1876				

\$22,935 09

## LIBRARY FUND.

STATEMENT FROM TENTH MONTH 1st, 1875, TO TENTH MONTH 2D, 1876.

1875. 10th mo. 1.	Balance on hand	\$ 8	865	82
1876. 10th mo. 2.	Received during past year	4	195	99
		<b>\$1,</b> 3	 861	81
1876.				
10th mo. 2.	Paid during past year for Books, Periodicals, Bind-			
	ing and Expenses	1,2	34	84
1876.				
10th mo. 2.	Balance on hand	8 1	26	97

The Annual Meeting of "The Corporation of Haverford College," in 1877, will be held on the second Third day in the Tenth Month, at 8 P. M.

The Stated Meetings of the Managers are held on the first Sixth day in the Third, Sixth, Ninth and Twelfth Months, at 3½ P.M.

# LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

### FORM OF A LEGACY.

I give and bequeath (if personal)—devise (if real)	to "The Corporation of
Haverford College," the sum of	····
	, (or if real estate, de-
scribe it)	to have and
to hold, to them, their successors and assigns, to t	he use of the said "The
Composition of Hanerland College" their successors a	nd assions

# CIRCULAR.

### HAVERFORD COLLEGE

is open for the admission of the sons of Friends, and of others who are willing that their children should be educated in conformity with our Christian principles. Its courses of study are thorough and liberal. Its location is remarkably healthy, its grounds extensive and attractive, and it provides for its students an agreeable and comfortable home. Endeavoring to promote sound moral as well as intellectual culture, it aims to be a family of Christian scholars.

Students living in Philadelphia or its neighborhood may visit their homes every week.

There are three Terms in the year, commencing, in 1877, First Month (Jan.) 3d, Fourth Month (April) 25th, and Ninth Month (Sept.) 5th, respectively. The next academical year will open Ninth Month 5th, 1877. The price of Board and Tuition is \$425.00 per annum, payable one half at the beginning, and one half at the middle, of the College year. Washing is charged at the rate of 75 cents per dozen. All articles of clothing, (including overcoats,) as well as towels, napkins, umbrellas, etc., must be marked legibly with the student's name. Text-books and stationery can be purchased at the College.

### APPLICATIONS FOR ADMISSION

should be made to the President, Thomas Chase, Haverford College P. O., Montgomery County, Pa. Each candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must offer also certificates of dismission in good standing. Candidates will present themselves at the College for examination at 12 o'clock M. on Commencement Day, (Sixth Month 27th, 1877), or at 9 o'clock on the morning preceding the opening of the Term at which they desire to enter.

The College is situated near HAVERFORD COLLEGE STATION, on the Pennsylvania Railroad, about nine miles from Philadelphia.

REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

In Classics, a familiar knowledge of the paradigms, and of the rules of Syntax, in Latin and Greek Grammar, to be tested, in part, by writing easy sentences in Latin and Greek; acquaintance with Prosody, to be proved by scanning verses from Virgil; and ability to give, after one hour's study, with the aid of a Lexicon, a literal translation of a passage not before read by the candidate, both in Latin and Greek prose or verse, and to apply the proper rules of Syntax to the constructions in that passage.

Candidates are recommended to read the books of a preparatory course in Greek and Latin which are ordinarily prescribed in the requisitions for admission to American colleges; but this course may be varied at the discretion of teachers, provided the candidate is found to possess sufficient knowledge of both languages to enable him to pursue, with facility and advantage, the studies of the Freshman Year.

Those who enter for the Scientific Course are excused from the examination in Greek.

In Mathematics, a good knowledge of Arithmetic, including the metric system, of Algebra as far as Quadratic Equations, and of the first two books of Euclid or their equivalents, is required.

Candidates must be familiar with English Grammar, and Spelling, Geography, and the History of the United States.

Satisfactory examination-papers written under proper safeguards at first-class schools, and sent to us by the teachers, properly certified, will be accepted so far as they cover the same ground as our own requisitions.

Students may be admitted to advanced Classes, if found fully prepared for admission to the *Freshman Class*, and *also* in all *the regular studies of the Course* up to the point at which they enter.

Several scholarships, varying in value from \$50 to \$225 per annum, are offered by the Managers. Applications for such aid must be made to the President; and candidates for scholarships must be thoroughly prepared in all the studies required for entrance.

The following is the Course of Study for the degree of Bachelor of Arts:

### FRESHMAN YEAR.

New Testament, Euclid's Geometry, Alsop's Algebra, Loomis's Plane Trigonometry, Xenophon and Herodotus, Homer, Review of Greek Grammar, Exercises in writing Greek, Livy, Horace, Review of Latin Grammar, Exercises in writing Latin, Cleveland's Compendium of English Literature, Hart's Rhetoric, Compositions, Guyot's Earth and Man, Tenney's Natural History, Wood's or Gray's Botany. Greek and Roman History, Drawing.

### SOPHOMORE YEAR.

The Bible, Loomis's Trigonometry, and Surveying, with Field Practice, Loomis's Natural Philosophy, The Prometheus of Aeschylus, Plato's Apology and Crito, Exercises in writing Greek, Horace, The Germania and Agricola of Tacitus, Exercises in writing Latin, Eliot and Storer's Chemistry, Geology, March's Philological Study of the English Language, Dymond's Essays on Morality, Paley's Evidences of Christianity, Wayland's Political Economy, Mediæval and Modern History, Themes, Drawing.

### JUNIOR YEAR.

Greek Testament, Analytical Geometry, Differential and Integral Calculus (elective), Loomis's Astronomy, Thucydides, The Antigone of Sophocles, Exercises in writing Greek, Juvenal, Cicero's Tusculan Disputations and Somnium Scipionis, Exercises in writing Latin, Anglo-Saxon, Knapp's French Grammar, Télémaque, Histoire de Charles XII., Whately's Rhetoric, Whately's Logic, Haven's Mental Philosophy, Kent's Commentaries on the Law of Nations and American Law, Forensics, Chemistry (elective), Advanced Geology (elective), German (elective).

### SENIOR YEAR.

### REQUIRED STUDIES.

Greek Testament, The Captivi of Plautus, Cicero's and Pliny's Letters, The Ancient Pronunciation of Latin, Latin Compositions, Whitney's Science of Language, German, Butler's Analogy, Barclay's Apology, Gurney's Observations, Arnold's Lectures on Modern History, Guizot's History of Modern Civilization, Anatomy and Physiology, Hygiene.

### ELECTIVE STUDIES.

Analytical Mechanics, Optics, Acoustics, Loomis's Practical Astronomy, Observatory Practice, The Seven against Thebes of Aeschylus, Demosthenes on the Crown (or equivalent), Writing Greek, Advanced German, Porter's Human Intellect, Hallam's Constitutional History.

### COURSE OF STUDY FOR THE DEGREE OF

### BACHELOR OF SCIENCE.

### FRESHMAN YEAR.

The same as in the Ciassical Course, with the exception of Greek, and with the addition of Natural Philosophy and Chemistry.

### SOPHOMORE YEAR.

The same as in the Classical Course, but omitting Latin and Greek, and adding Descriptive Geometry and Mechanical Drawing, Chemistry (continued), Astronomy, and Natural History.

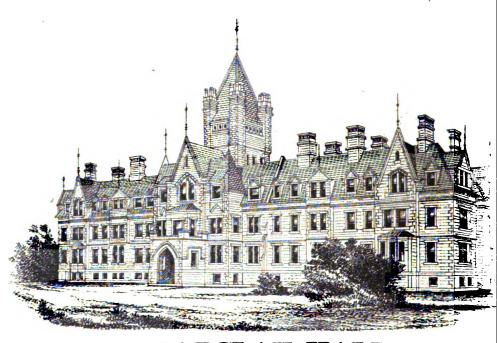
### JUNIOR YEAR.

The Bible, Analytical Geometry, Calculus, French, German, Rhetoric, Logic, Forensics, Constitutional Law, Advanced Chemistry, Advanced Geology, Mineralogy, Acoustics, Optics, Meteorology.

### SENIOR YEAR.

The Bible, Mechanics, Advanced German, Anatomy and Physiology, Hygiene, Mental Philosophy, Butler's Analogy, Gurney's Observations, Barclay's Apology, Arnold's Lectures on Modern History, Guizot's History of Civilization, Practical Astronomy, Observatory Practice, Higher Physics, Engineering.

FOR FURTHER INFORMATION, address Thomas Chase, President; or, Samuel Alsop, Jr., Superintendent, Haverford College P. O., Montgomery Co., Pa.



BARCLAY HALL

# REPORT

# THE MANAGERS

# HAVERFORD COLLEG

TENTH MONTH 9th, 1877.

Google

# REPORT

OF

# THE MANAGERS

of

# HAVERFORD COLLEGE.

TENTH MONTH 9th, 1877.

PHILADELPHIA:

GRANT, FAIRES & RODGERS, PRINTERS, 52 & 54 N. SIXTH STREET.

1877.

## CORPORATION.

SECRETARY,
EDWARD BETTLE, JR.

TREASURER,
DAVID SCULL, JR.,
125 Market Street, Philadelphia.

### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JOSEPH W. TAYLOR,
JAMES WHITALL,
HUGH D. VAIL,
JAMES CAREY THOMAS,
BENJAMIN V. MARSH,
PHILIP C. GARRETT,
WILLIAM C. LONGSTRETH,
JAMES E. RHOADS,
RICHARD CADBURY,
DAVID SCULL, JR.,
JOEL CADBURY,

RICHARD WOOD,
ROBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,
GEORGE HOWLAND, JR.,
WILLIAM F. MOTT,
CHARLES HARTSHORNE,
WILLIAM G. RHOADS,
JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
EDWARD L. SCULL,
CHARLES S. TAYLOR.

### EXECUTIVE COMMITTEE.

JOSEPH W. TAYLOR, HUGH D. VAIL, DAVID SCULL, Jr., EDWARD L. SCULL, EDWARD BETTLE, Jr., WILLIAM G. RHOADS,

JAMES WHITALL.

### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN, WILLIAM C. LONGSTRETH,

DAVID SCULL, JR., CHARLES HARTSHORNE,

JOHN B. GARRETT.

### LIBRARY COMMITTEE.

RICHARD WOOD, PHILIP C. GARRETT, BENJAMIN V. MARSH, CHARLES ROBERTS, EDWARD BETTLE, Jr., EDWARD L. SCULL.

### FARM COMMITTEE.

JOSEPH W. TAYLOR, HUGH D. VAIL, DAVID SCULL, JR., CHARLES S. TAYLOR,

ROBERT B. HAINES.

### VISITING COMMITTEES.

To visit the College on the second Third Day of each month, from 9 to 12 A. M., and at such other times as each Committee may appoint.

### **ELEVENTH MONTH:**

W. MORRIS, T. W. BROWN, F. T. KING, J. W. TAYLOR.

### TWELFTH MONTH:

B. V. MARSH, P. C. GARRETT, J. C. THOMAS, J. WHITALL.

### FIRST MONTH:

W. C. LONGSTRETH, W. R. THURSTON, J. E. RHOADS, H. D. VAIL.

### SECOND MONTH:

G. HOWLAND, R. CADBURY, J. CADBURY, D. SCULL, JR.

### THIRD MONTH:

W. F. MOTT, R. WOOD, R. B. HAINES, W. G. RHOADS.

### FOURTH MONTH:

C. HARTSHORNE, J. B. GARRETT, E. BETTLE, JR.

### FIFTH MONTH:

C. ROBERTS, C. S. TAYLOR, E. L. SCULL.

#### SIXTH MONTH:

W. MORRIS, T. W. BROWN, F. T. KING, J. W. TAYLOR.

### NINTH MONTH:

B. V. MARSH, P. C. GARRETT, J. C. THOMAS, J. WHITALL.

### TENTH MONTH:

W. C. LONGSTRETH, W. R. THURSTON, J. E. RHOADS, H. D. VAIL.

# **FACULTY**

AND

### OFFICERS OF INSTRUCTION.

THOMAS CHASE, A. M.,

PRESIDENT,

AND PROFESSOR OF PHILOLOGY AND LITERATURE.

SAMUEL ALSOP, Jr., A. M., SUPERINTENDENT, AND PROFESSOR OF PHYSICS AND ASTRONOMY.

JOHN H. DILLINGHAM, A. M., PROFESSOR OF MORAL AND POLITICAL SCIENCE,

PLINY E. CHASE, LL. D.,
PROFESSOR OF PHILOSOPHY AND LOGIC.

ISAAC SHARPLESS, S. B.,
PROFESSOR OF MATHEMATICS, MECHANICS, AND CHEMISTRY.

JAMES F. DAVIS, A. B.,
ASSISTANT SUPERINTENDENT AND ASSISTANT PROFESSOR.

EDWARD D. COPE, A. M., LECTURER ON ZOOLOGY.

JOSEPH THOMAS, LL. D., LECTURER ON HISTORY.



TO

## THE CORPORATION

OF

# HAVERFORD COLLEGE.

The Managers feel that there is much cause for thankfulness that with the aid of the generous contributions of the friends of the College, they have, at no inconsiderable cost, been enabled to make a most desirable and very important addition to the advantages of the institution, in the erection of "Barclay Hall." This building is now nearly completed, and is warmed throughout by indirect steam radiators, with due regard to free ventilation, light, and air, in every room. It was first occupied by the students on the opening of the present term, 9th Month 5th, 1877. By the arrangement of the building, each student has the privilege of a separate bed-room, and each pair of these rooms opens into a private parlor or studyroom for the exclusive use of two students only, thus giving them the unspeakable advantages of retirement, to wait upon and to commune with our Father in Heaven, and to seek His daily guidance and protecting care. is the concern of the Managers and Professors that the

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religious training of the students of Haverford shall be in conformity with the fundamental principles and doctrines of the Society of Friends; and that their minds and faculties, expanded by a collegiate course of study, may be dedicated to the service of their Lord, as He may be pleased to use them.

The comfort, and the advantages for uninterrupted study, afforded by the present system of separate study-rooms, are highly appreciated by the students, whose number has been increased in consequence. It is greatly to be desired that Friends generally should have their attention called to the peculiar advantages now presented by Haverford for the advanced education of young men, which it is believed are unequalled by any institution under the care of our Religious Society.

At the Commencement in 1877, six members of the Senior Class graduated as Bachelor of Arts, and one as Bachelor of Science. The Degree of Master of Arts was conferred upon four former graduates, and the honorary Degree of Master of Arts upon John J. Thomas, of Union Springs, New York.

There are now fifty-eight students in the College, divided as follows, viz.: From New England, four; from the Middle States, twenty-seven; from the Southern, thirteen; and from the Western, fourteen,—representing in all seventeen States of the Union. The present Freshman Class consists of twenty-two members, whose average age is eighteen and a half years.

The students are nearly all members of the Society of

Friends, and those who are not members are, with two or three exceptions, closely connected with the Society. Although the Faculty have advertised the College freely, the number of applicants from beyond our own borders is as yet extremely small. There is reason to hope, however, as the increased advantages of the Institution become more widely known, that the rooms not needed for the youth of our own Religious Society may be occupied by others appreciating the facilities for solid, thorough, and careful culture, offered by Haverford.

It is evident that the College is now more and more fully answering the purposes of its foundation, in supplying the advantages of higher education to the young men of the Society of Friends.

The high standard of literary and scientific instruction, characteristic of Haverford, has been well maintained, and a corresponding degree of diligence in study manifested, Skilful, experienced and learned Professors have made the lessons attractive by their own enthusiasm, and by the conciseness, accuracy, and vivacity of their explanations.

The adoption of a Scientific course, which is now in very successful operation, and of a system of elective studies, has added much to the usefulness of the Astronomical Observatory. Students now pursuing this branch of study have selected it of choice, and are interested in practical work with the instruments. During the past year several members of the Senior Class spent much time in the Observatory, and became skilful in manipulation. The instruments are in very good order, and a class, larger

than has of late been usual, of young men interested in the science, gives promise of much faithful and very improving work during the coming year.

The Chemical Laboratory is in good working order. Water has been introduced, and cylinders of condensed gas brought from Philadelphia. The old chemicals have been labelled and arranged, and new procured. Additional apparatus has from time to time been supplied as it was needed, among which an analytical balance, with weights graduated according to the French system, may be especially mentioned. These changes have not only facilitated the giving of lectures to the Chemistry Classes, but have enabled students the better to verify the textbook knowledge by actual experiment. Good work has been performed by them both in general Chemistry and analysis. With a larger room well fitted, the opportunities for this could be made more general and more practical. The want of illuminating gas for heating purposes is much felt in both the Chemical and Physical Laboratories.

The number of volumes in the College Library is 7188, being an increase of 188 over that reported last year. Of these, 84 have been donated. All the Societies have completed card catalogues of their libraries, which have been added to that of the College Library; so that the drawers now contain a complete list of all the books in the Library and Alumni Hall. This has been found of great service, by affording increased facilities for the consultation of books and especially of magazine articles.

The Managers must again call attention to the need

of further additions to the Building Fund, to pay the debt contracted for heating apparatus, &c., in "Barclay Hall," and to make the needed improvements in the old College. The debt on this Fund now amounts to about \$7,500. It is hoped that liberal subscriptions, payable as convenient during the next two or three years, may be made by the friends of the College.

The running expenses of the Institution continue to exceed the receipts, as has been largely the case in former years, so that the debt of the Corporation on this account has now reached the sum of \$13,250. With the increase in the number of students, the Managers hope that the receipts may shortly be sufficient to meet the annual outlay required to sustain the high standard of the College.

A general and deepened interest in a higher and more thorough standard of Education has been manifested throughout the Society of Friends in the various American Yearly Meetings during the past year, and in meeting this demand, the position occupied by Haverford College becomes one of increasing importance.

On the 28th of 9th Month, 1877, our beloved friend, Charles Yarnall, was removed by death. He was one of the original founders of the institution, and his ideas were largely embodied in its organization. For a long series of years the Secretary of the Board of Managers, he served the College with an assiduity, fidelity, sound judgment, and intelligent skill, to which much of its success,

and many of its best characteristics, are largely due. Combining in himself an ardent attachment to the religious principles of the Society of Friends with a well-endowed and highly cultivated intellect, he believed in the compatibility of Quakerism with the most comprehensive and liberal education; and his whole heart went out to an institution which was designed both to impart the best intellectual instruction, and to promote those religious views and principles which he cherished so warmly. His memory will always be dear to the sons of Haverford, nor can we wish anything better for the College than that others like him may be raised up for her service.

By direction of the Board.

JAMES WHITALL,

Secretary.

PHILADELPHIA, 10 mg. 5, 1877.

TO

### THE MANAGERS

OF

# HAVERFORD COLLEGE.

The President respectfully presents the following report: The year 1876-77 has been one of prosperity for the scholastic interests of the College. A good degree of attention to study has prevailed. Aided by experience, we have matured and adjusted the details of the elective system and of the two courses of study. Herein we have kept carefully in view the gravity of our obligation, before the world of scholars, to maintain a high and worthy standard in the requisitions for Degrees. As it has been in the past, so we mean that in the future Haverford College shall be honorably distinguished among similar institutions for the thoroughness and comprehensiveness of its instructions and the wise balance it maintains between different departments of study. We desire, first of all, to inspire in our students the habit of diligent research and the ardent love of truth. Claiming to give a liberal education, our function is to train the mind harmoniously and roundly, and, avoiding all narrowness, to develop it healthfully on all sides. While we are glad to make room

at last for special courses, it is not until a broad and generous foundation for them has been laid. Haverford is in no danger of the censure which intelligent men have passed upon some of our colleges, that the hasty changes they have admitted have tended to lower the value of the education given and narrow unduly its extent.

Making it my care to study whatever wise utterances are put forth from time to time by experienced men on the theory and methods of education, and always wishing to adopt any actual improvement, I am happy to believe that Haverford needs little more at present than to live fully up to her own best traditions. These have always insisted on the cultivation of the students' own powers of observation and experiment. In the direct use, by the students themselves, of the apparatus in the Observatory and Laboratories, and of the books in the Library, and in the freedom of access granted to the books and apparatus, we differ advantageously from some larger institutions, which do more than we for the general advancement of science, but less for the special advantage of their own members. These three very important departments of the College have all been put in excellent order during the last year, and it is believed that they are admirably managed. The study of Drawing, so valuable in the education of the eye and hand and the cultivation of the observing faculties, has been resumed, after having been intermitted for a time for various reasons, among which the difficulty of procuring satisfactory teachers was prominent. I trust that it will never again be discontinued.

There was an interesting controversy in our higher educational circles during the last year, in regard to the amount of ground which ought to be gone over in reading classical authors both before and after coming to college: some advocating few books, with short lessons very minutely studied, and others a longer course. While the first method may be the best in the preparatory schools, my opinion is that in college, at least, neither should be exclusively adopted, but there should be a partial combination of both. For precise grammatical training, and to gain an accurate knowledge of the structure and laws of the ancient languages, short lessons must be given, in which every word is carefully and exhaustively examined. But to breathe the spirit of ancient literature, and to appreciate its beauties, long lessons must also necessarily be appointed, in order that a sufficient number of masterpieces may be studied as wholes. In these longer lessons the chief object aimed at should be correct and spirited translation, together with appropriate historical and literary illustration and æsthetic criticism. Our practice in the classes at Haverford has long corresponded with this theory.

The character of the highest places of instruction is always closely connected with that of the secondary schools. The improvement of the latter, in recent years, in what we may regard as our more immediate constituencies, has enabled us to raise materially the standard of requirements for admission,—an object which we have long had deeply at heart. The experiment of accepting the examination-papers and certificates of standing from the best training-

schools, in place of our own examinations, so far as the same ground is covered, has worked well. Haverford has never admitted better prepared students than those she has this year received in this way, from schools taught by her own graduates.

The number of students admitted at the opening of the Autumn Term of 1877, by examination or certificate, is twenty-seven,—the largest number for many years. Four candidates examined were rejected as unprepared.

I congratulate the Board and all the friends of the College upon the fulfilment, in the completion and use of Barclay Hall,\* of so many of the hopes expressed in my letter accepting my appointment two years and a half ago. The generous friends, through whose liberal contributions this end has been reached, deserve our warmest gratitude. Among the desiderata as yet unattained, I am especially anxious to see our valuable collections of geological and mineralogical specimens and other objects in Natural

<sup>•</sup> The selection of mottoes for the walls of the Collection Room in the new Hall devolving upon me, I felt it to be a responsible duty. The wall behind the reading-table bears, on either side of the central window, the inscriptions: IN THE BEGINNING GOD CREATED, and IN THE BEGINNING WAS THE WORD, in the Greek of the Septuagint version. Beyond the side doors on the same wall are the Greek words which mean, the first TRUTH, the second SOBER-MINDEDNESS. The southern wall is inscribed with the sentence, IN EVIL BE BABES, BUT IN UNDERSTANDING BECOME MEN, in the original Greek of 1 Cor. xiv. 20. On the western wall, over the windows which give so beautiful a view of our lawns and trees, is an adaptation of a verse of Horace, HAS INTER SILVAS ACADEMI QUAERITE VERUM (Amid these Academic groves seek ye the truth); and finally, the northern wall bears the motto, QUI FIDELIS EST IN MINIMO ET IN MAJORI FIDELIS EST, from the Vulgate version of the first half of the verse, Luke xvl. 10. The last text was suggested in part by the motto so long borne on the wall of the Study Room in the Old College, where it was placed by Dr. Swift: MINIMUM MINIMUM EST, SED FIDELIS ESSE IN MINIMO MAGNUM EST.

The inscriptions are all in capital letters; the Greek in the style of the oldest uncial manuscripts of the New Testament, the character C being used for Sigma, and the accents, breathings, and iotas subscript omitted.

History arranged and displayed in well-secured horizontal cases at a convenient distance from the eye, thus making them more useful as aids in instruction, and increasing the interest and attractiveness of the College to intelligent visitors. Promises have already been given of valuable donations to be presented as soon as worthy provision shall be made for the preservation and display of such objects. By successive acquisitions, we may build up a Museum, distinguished not so much by the mere number of its specimens, as by their value, variety, and typical comprehensiveness and significance. The ideal to be aimed at is that of a complete collection of the most important typical specimens in all the grand divisions of Natural History.

The improvement of our Physical and Chemical Laboratories is another desirable object, which we hope will be effected by the alterations to be made in the old College Hall.

It is an interesting characteristic of institutions such as ours, that they are capable, in all their departments, of almost indefinite expansion. Growth should be looked for, cherished, and promoted, not only in our Museum, but also in our Library, and in our apparatus of instruction of all kinds. I trust that we shall be content with no mediocrity in any of these fields. Admirably selected and useful as are our present collections of books and apparatus, they can be largely increased with great immediate advantage; and, if Haverford is to fill her fitting place among the literary institutions of our land, we should make a vigorous effort to place ourselves more nearly in the front rank in these respects.

The following courses of Lectures were delivered before the whole college in the past academic year: six lectures on the Harmonies of Art, Science, and Religion, by Professor Pliny E. Chase; three on Hildebrand, Bernard, and Loyola, by Professor Sharpless; six on English Poets, by the President; three on Ancient History, and one on India, by Dr. Joseph Thomas; and one on the Geographical Distribution of Animals in different Epochs, by Professor Cope.

The voluntary Bible Class, meeting in the Matron's parlor, was well kept up. As in the year preceding, the President conducted all the readings in the First-day afternoon Collections. On one of these occasions, impressive and edifying remarks were added by a member of the Board of Managers, who was very acceptably with us during the day. Such tokens of Christian interest in our welfare are always most grateful both to officers and students,

An era of sure and steady, though gradual, growth seems to be opening for our College. Faith and patience will still be needed on the part of those who bear the burden of its management and support; but, by intelligent and conscientious devotion to the duties providentially devolving upon them, they may hope to gain the reward which alone they seek in its greatly increased efficiency and success in training the minds and moulding aright the characters of the youth who frequent its halls.

THOMAS CHASE,

President.

HAVERFORD COLLEGE, 9th mo., 1877.

### BARCLAY HALL.

In his letter accepting his appointment early in the year 1875, the President of Haverford College called the attention of the Managers to the great desirableness of the erection of a new building, containing private studies for the students, with convenient bedrooms attached, and expressed his conviction that the time had come when, by an earnest effort, this and other important improvements could be successfully under-He had hardly more than completed the letter when he was called upon by a member of the Board, whose mind had, independently, been turned the same way, and who came, full of enthusiasm, to discuss the proper plan and arrangements of such a building. As the idea was imparted to others, it met with great favor in the liberal and enlightened circle of friends and supporters of the College. A building committee of judicious and active men was appointed by the Managers; they consulted with the officers and graduates, and with experts in matters of the kind, employed a skilful architect, and soon determined upon the plan which has been so happily carried to completion in Barclay Hall. Other committees, both of the Managers and Alumni, undertook the no less important work of raising contribu-tions to cover the expense of building. The success which they met with is all the more creditable to the generous subscribers to the fund, from the fact that the work was begun and carried through in a time of severe and unusual financial depression. amount of labor quietly and unobtrusively done by the earnest men in these committees, can only be appreciated by those who have been simiengaged themselves, and, together with the liberality of the contributors, deserves the most grateful recognition.

And now there stands in a commanding position in the beautiful park of Haveriord College, a stately edifice of granite, which would be admired for its fitness for academic purposes, and for its simple and appropriate beauty, if it stood on the banks of the Cam, the Isis, or the Charles. Occupied for the first time at the beginning of the present autumn term, it has already more than fulfilled the expectations of its projectors, in the addition which its admirable accommodations have made to the comfort and happiness of the students, the extent to which it has promoted habits of diligent private study, and the promise it gives of attracting larger numbers to our College.

The exterior walls are of Port Deposit granite, of a light bluish hue most grateful to the eye. Just above the beautiful dimple which is so attractive a feature in the north-eastern part of the College park, the new hall stretches for nearly two hundred and twenty feet from north to south, while its central tower rises to the height of one hundred and ten feet. eastern front presents a noble appearance to the traveller on the Pennsylvania Railroad between Ardmore and Bryn Mawr, and the building is a pleasant feature in the landscape for the whole neighboring country. The style, dignified and simple, but not severe, has gained very general commendation, and reflects great credit upon the good taste of the architect, Addison Hutton. While there is little unnecessary and elaborate ornamentation, "it is easy to discover, in the broken outline, the turreted tower, the bay windows, an occasional buttress and pointed arch, the spirit of that style of Gothic architecture which is the most readily and successfully adapted to collegiate buildings."\* The danger of a monotonous effect, imminent in so long a building, has been skilfully avoided, and a scholastic character is impressed upon the whole, so that the edifice could not be mistaken for a factory, a hospital, or an asylum.

It is believed that graduates and friends of the College will be interested in the following somewhat

<sup>\*</sup> The quotations in this article are from a description of Barclay Hall, prepared by the architect himself.

detailed description of the new Hall. "The building is two hundred and eighteen feet four inches in length, and forty feet in general width; the central section, however, has a width of sixtyfive feet two inches. The first floor is elevated five feet three inches from the grade of the front lawn. The first story is twelve feet three inches, the second story eleven feet, and the third story eleven feet from floor to floor. The central tower is eighteen feet square externally, and has a total height to the vane of one hundred and ten feet. The central section has one eastern and two western portals, and contains on the first floor an office, a general reception parlor, and a collection room." The latter is very comfortably seated with chairs, and its walls bear appropriate mottoes. "A corridor seven feet wide traverses the entire length of the building. On either side of this, on each story, are ranged the studies and chambers. Each story has two bath-rooms. At each extreme end of the building are four rooms, two on either side of the corridor, of such size that they may be used at convenience either as chambers or studies, enabling any student who desires it to have an apartment exclusively by himself. Between these and the central section lie four study-rooms, each having a chamber on each side of it. The chambers themselves are sufficiently large for private study. This is the arrangement on all the stories, thus giving in the wings twenty-four studies with forty-eight communicating chambers, and twenty-four rooms which may be used for either studies or chambers." Seventy-two students may thus be accommodated in the wings. "The centre building is divided into six large rooms on the second and third stories each; these are to be used, so far as necessary, for the residence of the Superintendent, while those not needed for this purpose will furnish additional rooms for students.

"The walls of the building are faced externally with Port Deposit granite, laid with rock-face broken range work an i pointed with dark mortar; the rough walling is done with stone found in the vicinity." Above the inner arch of the eastern portal the motto of the College is carved on Nova Scotia stone in mediæval text. "All internal walls required to support the floors are constructed with bricks. The roof is mainly slate; there is a deck, however, covered with metal.

"The floors are laid with yellow pine; those of the first story are of double thickness. The joinery is almost entirely of white pine. The entrance doors, and the two staircases (one to each wing), are all of oak. All the woodwork inside the building is finished with oil and shellac, so as to exhibit the natural grain of the wood.

"Two large high-pressure boilers in the basement furnish the steam which heats the house. The warming is done by what is termed indirect radiation, steam coils being placed at the bases of the warm-air flues, and not in the rooms. The exceptions to this are in the collection room and in the corridors, which have direct radiation. The air-duct communicates with the outer air by windows always open, and is arranged to be entirely separate from the other apartments in the basement, and thus free from the usual odors and dust in that quarter. coils are placed in this air-duct, and so divided that each room in the building shall have its own supply of warmed air.

"The ventilation of the rooms is secured by means of open fire-places, of which each room has one. Registers near the ceiling allow the escape of superfluous hot air. Hot and cold water are plentifully supplied, and the house is furnished with all the modern conveniences. The closets in the basement are ventilated by means of large flues heated at the base with steam coils."

The generous men and women, through whose contributions Barclay Hall has been erected, may congratulate themselves upon the certainty that their bounty will largely promote the success and prosperity of a most useful and valuable institution.

(From Friends' Review.)

### TREASURER'S ACCOUNT.

FROM EIGHTH MONTH 17TH, 1876, TO EIGHTH MONTH 23D, 1877.

#### RECEIPTS.

Balance in Treasurer's hands, 8th mo. 17th, 1876	\$ 46	15									
Income of Endowment Fund	4,970	90									
" T. P. Cope Fund	72	75									
" " Edw. Yarnall Fund	262	94									
" " I. V. Williamson Fund	401	86									
" " Library Fund	678										
Loans	6,803										
Produce sold from Farm	906										
Public Sale of Farm Stock	1,151	•									
Rent of Farm since 4th mo. 1st, 1877	400										
Sundries	330	48									
PAYMENTS. \$16,024 2											
PAYMENIS.											
	\$10.011	74									
Paid Faculty		• •									
Paid Faculty	1,875	00									
Paid Faculty	1,875 1,204	00 98									
Paid Faculty	1,875 1,204 854	98 84									
Paid Faculty	1,875 1,204 854 537	98 84 60									
Paid Faculty	1,875 1,204 854 537 264	98 84 60 80									
Paid Faculty	1,875 1,204 854 537 264 138	98 84 60 80 26									
Paid Faculty	1,875 1,204 854 537 264 138 48	98 84 60 80 26 90									
Paid Faculty	1,875 1,204 854 537 264 138 48	98 84 60 80 26 90									

### LIBRARY FUND.

STATE	MENT FROM TENTH MONTH 2D, 1876, TO TENTH MONTH 5TH,	1877.	
1876. 10th mo. 2.	Balance on hand	\$126	97
1877. 10th mo. 5.	Received during past year from Treasurer of Corporation	854	84
	" " Interest on Deposits	4	40
.0		\$986	21
1877. 10th mo. 5. 1877.	Paid during past year for Books, Periodicals, Binding, &c	\$751	22
	Balance on hand	\$234	99

The Annual Meeting of "The Corporation of Haverford College," in 1878, will be held on the second Third day in the Tenth Month, at 3 P. M.

The Stated Meetings of the Managers are held on the first Sixth day in the Third, Sixth, Ninth and Twelfth Months, at 3½ P. M.

### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

#### FORM OF A LEGACY.

I give	and beq	ueath (if	personal)—devise	(if real	to "The	Corporation	s of
Haverford	d College,	' the sur	m of	•••••		<del></del>	
				·····	(or if	real estate,	de-
scribe it).			······································		·····	to have	and
to hold, to	them, the	rir successo	ors and assigns, to	the use of	f the said	'The Corpore	atio <b>n</b>
of Haverf	ford Colleg	e," their	successors and assi	igns.			

### CIRCULAR.

#### HAVERFORD COLLEGE

is situated near HAVERFORD COLLEGE STATION, (the first station east from Bryn Mawr,) on the Pennsylvania Railroad, about nine miles west from Philadelphia.

Its courses of study are thorough, liberal, and judicious. It has won a very high rank among American colleges for the successful diligence of its students, and the fidelity and skill of its Professors. Its location is remarkably healthy, its grounds extensive and attractive, and it provides for its members an agreeable and very comfortable home. Endeavoring to promote sound moral as well as intellectual and physical culture, it aims to be a family of Christian scholars.

Students living in Philadelphia or its neighborhood may visit their homes every week.

There are three Terms in the year, commencing, in 1878, First Month (Jan.) 3d, Fourth Month (April) 24th, and Ninth Month (Sept.) 4th, respectively. The next academical year will open Ninth Month 4th, 1878. Students may enter at the beginning of any term. The price of Board and Tuition is \$425.00 per annum, payable one half at the beginning, and one half at the middle, of the College year. Washing is charged at the rate of 75 cents per dozen. All articles of clothing, (including overcoats,) as well as towels, napkins, umbrellas, etc., must be marked legibly with the student's name in full. Text-books and stationery can be purchased at the College.

#### APPLICATIONS FOR ADMISSION

should be made to the President, Thomas Chase, Haverford College P. O., Montgomery County, Pa. Each candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must offer also certificates of dismission in good standing. Candidates will present themselves at the College for examination at 2 o' clock P. M. on Commencement Day (Sixth Month 26th, 1878), or at 9 o' clock on the morning preceding the opening of the Term at which they desire to enter.

The College is open for the admission of the sons of Friends, and of others who are willing that their children should be educated in conformity with our Christian principles.

#### REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

In Classics, a familiar knowledge of the paradigms, and of the rules of Syntax, in Latin and Greek Grammar, to be tested, in part, by writing easy sentences in Latin and Greek; acquaintance with Prosody, to be proved by scanning verses from Virgil; and ability to give, after one hour's study, with the aid of a Lexicon, a literal translation of a passage not before read by the candidate, both in Latin and Greek prose or verse, and to apply the proper rules of Syntax to the constructions in that passage.

Candidates are recommended to read the books of a preparatory course in Greek and Latin which are ordinarily prescribed in the requisitions for admission to American colleges; but this course may be varied at the discretion of teachers, provided the candidate is found to possess sufficient knowledge of both languages to enable him to pursue, with facility and advantage, the studies of the Freshman Year.

Those who enter for the Scientific Course are excused from the examination in Greek.

In Mathematics, a good knowledge of Arithmetic, including the metric system, of Algebra as far as Quadratic Equations, and of the first two books of Euclid or their equivalents, is required.

Candidates must be familiar with English Grammar, Spelling, Geography, and the History of the United States.

Satisfactory examination-papers written under proper safeguards at first-class schools, and sent to us by the teachers, properly certified, will be accepted so far as they cover the same ground as our own requisitions.

Students may be admitted to advanced Classes, if found fully prepared for admission to the *Freshman Class* and *also* in all *the regular studies of the Course* up to the point at which they enter.

Several scholarships, varying in value from \$50 to \$225 per annum, are offered by the Managers to students standing in need of pecuniary assistance. Applications for such aid must be made to the President; and candidates for scholarships must be thoroughly prepared in all the studies required for entrance.

The following is the Course of Study for the degree of Bachelor of Arts:

#### FRESHMAN YEAR.

New Testament, Euclid's Geometry, Alsop's Algebra, Loomis's Plane Trigonometry, Xenophon and Herodotus, Homer, Review of Greek Grammar, Exercises in writing Greek, Livy, Horace, Review of Latin Grammar, Exercises in writing Latin, Cleveland's Compendium of English Literature, Hart's Rhetoric, Compositions, Guyot's Earth and Man, Tenney's Natural History, Wood's or Gray's Botany, Greek and Roman History, Drawing.

#### SOPHOMORE YEAR.

The Bible, Loomis's Trigonometry, and Surveying, with Field Practice, Norton's Natural Philosophy, The Prometheus of Aeschylus, Plato's Apology and Crito, Exercises in writing Greek, Horace, The Germania and Agricola of Tacitus, Exercises in writing Latin, Eliot and Storer's Chemistry, Geology, Dymond's Essays on Morality, Paley's Evidences of Christianity, Wayland's Political Economy, History, Themes, Drawing.

#### JUNIOR YEAR.

Greek Testament, Analytical Geometry, Differential and Integral Calculus (elective,) Astronomy, Thucydides, The Antigone of Sophocles, Exercises in writing Greek, Juvenal, Cicero's Tusculan Disputations and Somnium Scipionis, Exercises in writing Latin, Anglo-Saxon, Knapp's French Grammar, Télémaque, Histoire de Charles XII., Whately's Rhetoric, Whately's Logic, Haven's Mental Philosophy, Kent's Commentaries on the Law of Nations and American Law, Forensics, German (elective).

#### SENIOR YEAR.

#### REQUIRED STUDIES.

Greek Testament, The Captivi of Plautus, Cicero's and Pliny's Letters. The Ancient Pronunciation of Latin, Latin Compositions, History of Ancient Literatures, Whitney's Science of Language, German, March's Philological Study of the English Language, Butler's Analogy, Barclay's Apology, Gurney's Observations, Arnold's Lectures on Modern History, Guizot's History of Modern Civilization, Hallam's Constitutional History, Anatomy and Physiology, Hygiene.

#### ELECTIVE STUDIES.

Analytical Mechanics, Advanced Physics, Astronomy with Observatory Practice, Demosthenes on the Crown, Greek Lyric Poets, Classical Philology, Writing Greek, Advanced German, Advanced French, Psychology.

#### COURSE OF STUDY FOR THE DEGREE OF

### BACHELOR OF SCIENCE.

#### FRESHMAN YEAR.

The same as in the Classical Course, with the exception of Greek, and with the addition of Natural Philosophy and Chemistry.

#### SOPHOMORE YEAR.

The same as in the Classical Course, but omitting Latin and Greek and adding French, Physics, Chemistry (continued), Astronomy, and Natural History.

#### JUNIOR YEAR.

The Bible, Analytical Geometry, Calculus, Elementary Greek (elective), French, German, Rhetoric, Logic, Forensics, Constitutional Law, Advanced Chemistry, Advanced Geology and Mineralogy (elective), Acoustics, Optics, Heat and its Applications, Meteorology, Descriptive Geometry.

#### SENIOR YEAR.

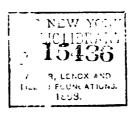
#### REQUIRED STUDIES.

The Bible, Mechanics, Astronomy with Observatory Practice, German, Anatomy and Physiology, Hygiene, Mental Philosophy, Butler's Analogy, Gurney's Observations, Barclay's Apology, Arnold's Lectures on Modern History, Guizot's History of Civilization, Hallam's Constitutional History, the Philological Study of English.

#### ELECTIVE STUDIES.

Higher Mathematics, Higher Physics, Greek, Anglo-Saxon, International Law, Psychology.

FOR FURTHER INFORMATION, address Thomas Chase, President, or Samuel Alsop, Jr., Superintendent, Haverford College P. O., Montgomery Co., Pa.



### **REPORT**

OF

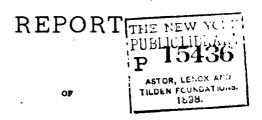
## THE MANAGERS

OF

# HAV ERFORD COLLEGE.

TENTH MONTH 8th, 1878.





### THE MANAGERS

OF

# HAVERFORD COLLEGE.

TENTH MONTH 8th, 1878.

PHILADELPHIA: A GRANT, FAIRES & RODGERS, PRINTERS, 52 & 54 N. SIXTH ST. 1878.

### CORPORATION.

# SECRETARY, EDWARD BETTLE, Jr.

TREASURER,
D'AVID SCULL, Jr.,
125 MARKET ST., PHILADELPHIA.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JOSEPH W. TAYLOR,
JAMES WHITALL,
HUGH D. VAIL,
JAMES CAREY THOMAS,
BENJAMIN V. MARSH,
PHILIP C. GARRETT,
WILLIAM C. LONGSTRETH,
JAMES E. RHOADS,
RICHARD CADBURY,
DAVID SCULL, JR.,
JOEL CADBURY,

RICHARD WOOD,
ROBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,
GEORGE HOWLAND, JR.,
CHARLES HARTSHORNE,
WILLIAM G. RHOADS,
JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
EDWARD L. SCULL,
CHARLES S. TAYLOR,
FRANCIS WHITE.

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#### EXECUTIVE COMMITTEE.

JOSEPH W. TAYLOR, EDWARD L. SCULL,
JAMES WHITALL, EDWARD BETTLE, JR.,
HUGH D. VAIL, WILLIAM G. RHOADS,
DAVID SCULL, JR., RICHARD CADBURY.

#### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN, DAVID SCULL, JR., WILLIAM C. LONGSTRETH, CHARLES HARTSHORNE, JOHN B. GARRETT.

#### LIBRARY COMMITTEE.

RICHARD WOOD, CHARLES ROBERTS, PHILIP C. GARRETT, EDWARD BETTLE, JR., BENJAMIN V. MARSH, EDWARD L. SCULL.

#### FARM COMMITTEE.

JOSEPH W. TAYLOR, DAVID SCULL, JR.,
HUGH D. VAIL, CHARLES S. TAYLOR,
ROBERT B. HAINES.

#### MUSEUM COMMITTEE.

CHARLES ROBERTS, HUGH D. VAIL,
BENJAMIN V. MARSH.
3

#### VISITING COMMITTEES.

To visit the College on the second Third Day of each month, from 9 to 12 A. M., and at such other times as each Committee may appoint.

#### ELEVENTH MONTH,

W. MORRIS, T. W. BROWN, F. T. KING, J. W. TAYLOR.

#### TWELFTH MONTH.

B. V. MARSH, P. C. GARRETT, J. C. THOMAS, J. WIIITALL.

#### FIRST MONTH.

W. C. LONGSTRETH, W. R. THURSTON, J. E. RHOADS, H. D. VAIL.

#### SECOND MONTH.

G. HOWLAND, R. CADBURY, J. CADBURY, D. SCULL, JR.

#### · THIRD MONTH.

R. WOOD, R. B. HAINES, F. WHITE, W. G. RHOADS.

#### FOURTH MONTH.

C. HARTSHORNE, J. B. GARRETT, E. BETTLE, JR.

#### FIFTH MONTH.

C. ROBERTS, C. S. TAYLOR, E. L. SCULL.

#### SIXTH MONTH.

W. MORRIS, T. W. BROWN, F. T. KING, J. W. TAYLOR.

#### NINTH MONTH.

B. V. MARSH, P. C. GARRETT, J. C. THOMAS, J. WHITALL.

#### TENTII MONTH.

W. C. LONGSTRETH, W. R. THURSTON, J. E. RHOADS, H. D. VAIL.



## FACULTY.

President,
THOMAS CHASE, LL.D.

Superintendent,
NEREUS MENDENHALL, M.D.

Prefect,
ALLEN CLAPP THOMAS, A.B.

THOMAS CHASE, LL.D.,

Professor of Philology and Literature.

PLINY EARLE CHASE, LL.D.,

Professor of Philosophy and Logic.

ISAAC SHARPLESS, S.B.,

Professor of Mathematics and Astronomy.

NEREUS MENDENHALL, M.D.,

Professor of Classics and Moral Science.

ALLEN CLAPP THOMAS, A.B.,

Professor of Rhetoric and History.

ROBERT BOWNE WARDER, S.B., A.M.,

John Farnum Professor of Chemistry and Physics.

# Report of the Managers

TC

#### THE CORPORATION

OF

### HAVERFORD COLLEGE.

In presenting their Report of the year just past, the Managers congratulate the Corporation that the hopeful views expressed in their last report have been justified. There were then at the College fifty-seven students; the number now in attendance is seventy-one. Twenty-eight students were admitted at the opening of the Fall term, of whom nineteen entered the Freshman, seven the Sophomore, and two the Junior Class. Three of these are Day Scholars, from Bryn Mawr. This is an indication that in the future we may expect a considerable number of students from the many homes which are growing up along the line of the Pennsylvania Railroad, near Philadelphia.

This increase in numbers is gratifying evidence that the benefits of training and education at Haverford are appreciated, and we think, also, results from the increased efforts made recently to inform the public of the merits of the institution. For this purpose, a concise, carefully-written

pamphlet, illustrated by eight photographs of the buildings and portions of the grounds, reproduced by the autotype process, was issued by the Board early in the year, and distributed to all members of the Corporation and of the Alumni Association, and to a large number of persons whom it was thought desirable to inform about the College.

This is the publication alluded to in our last report, and the Board believe that its issue was timely, both in awakening the interest of former students and informing them of the increased advantages of the College, and in bringing before the general public its claims to their support and confidence.

There has been a general rearrangement of the work of the Professors during the past year, caused by the sudden withdrawal from the College, in the Eleventh Month last, of our friend Samuel Alsop, Jr. He was appointed a professor in 1875, and since then has most acceptably performed the duties of Superintendent. The Board accepted his resignation with regret, but the importance to him of a change of climate was so apparent that he was promptly released. We desire to place on record here, as we have already done on the minutes of the Board, our sense of his great ability as an instructor, and of the faithful, conscientious, and successful discharge of his important duties as Superintendent, often rendered very burdensome to him by ill health.

The responsible office of Superintendent was kindly undertaken by Professor Nereus Mendenhall, M.D., who has since been appointed by the Board to this position.

He also instructs the Freshmen and Sophomores in Latin and Greek. It is very satisfactory to have such an experienced and careful teacher in charge of these important classes.

Prof. Isaac Sharpless, in addition to his duties as Professor of Mathematics, has been appointed Professor of Astronomy, and has taken charge of the Observatory and the practical work in it; an arrangement which will give entire satisfaction to all who know his ability and thoroughness as a teacher.

The "John Farnum Memorial Fund" has been invested, and the income last year was expended in free scholarships. The Board have appropriated the income for the coming year to the support of the Professorship of Chemistry and Physics, and have appointed to the charge of this important department our friend Robert B. Warder, late Professor of Physics, and also of Chemistry, in the University of Cincinnati, Ohio, a young man of large acquirements and high promise in his chosen profession. These important subjects of study and investigation are thus in very competent hands.

The other Professors and their duties remain as at the time of last report, and it is sufficient to say that their work has been performed with the old zeal and painstaking efficiency.

The present high grade of attainments and experience of our Faculty is cause for great satisfaction, and augurs well for the future growth and prosperity of the College. We think, with the present arrangement of studies and assignment of Professors, that what is taught at Haverford will be well taught, to the satisfaction of both parents and students. Under the present organization a more complete division of labor among the several Professors is secured, the related departments of Mathematics and Astronomy being assigned to one of them, and those of Chemistry and Physics to another. Greater thoroughness and a more systematic development of the instruction must result from this classification.

Since the enlargement of the Chemical Laboratory, as reported last year, there has been a marked increase of interest in this department. At present there are twenty-eight students in Analysis. A practical course in the Physical Laboratory was begun in the Ninth Month, and an effort is being made to train the class in the careful use of instruments designed for physical measurements. While most of the apparatus now in our collection was specially selected to illustrate the usual recitations and lectures, yet it is found that many pieces can be utilized in studying the quantitative relations of matter, with a fair degree of precision. The four College Classes are also represented in recitations in Physics; for we recognize the importance of a general knowledge of the laws of this science in any scheme of liberal education.

The room designed for the Museum, on the second floor of Founders' Hall, is now finished, and fitted up with horizontal and upright cases. The valuable Mineralogical specimens belonging to the Corporation have been arranged in some of these, and are thus displayed to advan-

tage. The alteration is a great improvement, and enables us to exhibit our collections, which formerly were practically inaccessible, or inconveniently placed for examination. Additional room can be made in the building, and we believe it will soon be found necessary to furnish it. In the Zoological department we are very deficient, and our Mineralogical collection, while quite rich in Foreign, has comparatively few American specimens.

Our friend William S. Vaux has given us a number of very choice and valuable mineralogical specimens. A valuable collection of marine and fresh-water shells has been added, chiefly through the liberality of a member of the Board. Another manager has commenced an Ornithological collection for the Museum, which it is his intention to make comprehensive and valuable, and especially rich in American birds. This will be an extremely interesting and important addition to our facilities of instruction and to the attractions of the College for visitors.

It is by such liberal gifts from friends of the College that we may hope to build up, in time, valuable and instructive collections to illustrate fully the various departments of natural science.

The present number of books in the Library (not including the 3811 volumes belonging to the three literary societies which are on our shelves and accessible to all the students) is 8007; the increase over last year being 528 volumes, of which 113 were purchased and 357 presented, and 58 volumes were periodicals bound up. Of the books received by gift, 317 came from England and

Ireland, in answer to a circular forwarded by the Library. Committee to a number of Friends there, asking for Friends' writings, especially original or early editions of them. This liberal response to the request of the Committee has been gratifying to members of the Board, and is a very cheering evidence of the continued interest of our Friends on the other side of the Atlantic. Very few of the books received were duplicates, and of these most differed as to the edition, or for some other reason were well worth preserving. While our collection of the literature of our society has thus been most generously enriched, it is still very far from what it should be. We mention the subject now in order that those who may feel an interest in the matter may have it again brought to their notice. It is suggested that those desirous of adding to this department of the Library communicate with Prof. Allen C. Thomas, Librarian, at the College, or with any member of the Library Committee, for definite information as to our deficiencies. We trust the time may not be distant when the Professors and Students at Haverford will not have to leave the College Library to find the best editions of all that is valuable and interesting in the literature of the Society; and when the student of the history of our Church may find among our books all'that he needs for an exhaustive study of its rise, growth, and progress.

An important and much needed improvement to the Library has been effected since last report. A neat gallery, extending around the room, has been built over the present cases, and against the wall-spaces above have

been placed shelves affording accommodation for 4500 volumes. The effect of the interior is much improved by the change.

The card catalogue has been kept up and over 500 cards added during the year referring to subjects in bound periodicals, books of criticism, etc. This is exclusive of titles of new books.

The scholastic work of the year has been performed, we believe, with thoroughness and ability, and the prevailing spirit amongst the students has been one of manly diligence, and appreciation of the fact that the faithfulness with which they avail themselves of their opportunities will largely affect their future success in life.

The degree of Bachelor of Arts was conferred at the last Commencement upon eight young men, seven of them constituting the Senior Class. The other graduate after prosecuting his studies at Haverford until 1871, early in his senior year, left in consequence of ill health. He brought us, last summer, a certificate from Harvard University that he had there studied a course equivalent to the studies of their senior year and passed the required examination upon it. The regular degree of Master of Arts was conferred upon four graduates, two of the class of 1875 and two of the class of 1876, after extended and strict examinations, success in which could be gained only by real merits and attainments. We propose to maintain at least a similar high standard in future, so that the second degree at Haverford shall become recognized everywhere as no idle title but a mark of actual desert. As to Honorary

Degrees, of all kinds, there is no need of any change in practice, the Corporation having always been careful to bestow them sparingly and only upon those who abundantly deserved them. The honorary degree of Master of Arts was conferred upon Richard Mott Jones, the accomplished Head Master of the William Penn Charter School, Philadelphia, for his scholarship and his eminence as a successful educator, and upon Ellis Yarnall in recognition of his high literary culture and attainments in English literature.

Allusion was made in our last report to the need of the College of a more liberal endowment, and of a larger provision for free scholarships. We have received no addition to our funds, on either account, since then. This is, however, a matter of such great importance to the healthy growth and usefulness of the College, that we again bring the subject to the notice of the Corporation. The advantage of the liberal, yet firm and decided discipline at Haverford is, and will continue to be, more and more appreciated by parents; and students themselves can realize that the order and quiet which are gained by this system are worth very much more than the slight curtailment of personal liberty costs them.

There seems no reason to doubt that the applications for admission in the future will be on a liberal scale, and it is the duty of the Corporation and its Managers to see to it that our accommodations and arrangements, of every kind, are adequate. We believe the science and art of education are now beginning to receive the thoughtful investigation and intelligent study they deserve. The result may be the remodelling of long-used courses of study to which Professors and College Students are alike attached. Whatever the changes of the future shall be, we desire to see our College occupy, in its sphere, the full place it should fill, and take its entire part in helping, both practically and theoretically, to solve the great problem,—what are the best methods and most useful subjects of study for our American youth.

The want of much larger provision for free scholarships has long been felt by the Managers, and they again commend the subject to the consideration of the friends of education in our Society. When we consider the useful results flowing from such endowments, in the heightened usefulness of the lives of a succession of chosen young men, many of whom, as teachers, will mould other lives, it is evident that money thus invested yields large returns.

The Treasurer's account and that of the Library fund for the past year are submitted with this report. The financial management and domestic economy of the Institution have received close attention. The Prefect has been unflagging in his devotion to the many and arduous duties of his position.

Notwithstanding the utmost care to reduce our expense account to the lowest limit, and a most acceptable donation of \$500 from our friend Israel Morris, received last year and applied to the reduction of our debt, this has increased \$3789.91, and is now as follows: on general deficiency account, \$18,395.66; on account of building fund of Barclay

Hall, \$6750, making a total indebtedness of \$25,145.66. A further deficiency this year is inevitable unless something is done to avoid it. This is a serious matter and gives much uneasiness to the Board. So long as the debt remains unpaid, the interest account will be a heavy burden. An effort is now being made by some members of the Board to obtain \$6000 or \$7000 per annum, for three years, by subscriptions, for the general purposes of the College. If this movement is successful, the interest on the debt will be provided for, its increase prevented, its amount can be reduced, and, before long, we trust it will be extinguished. The debt was caused by necessary expenditures to advance the grade and promote the efficiency of the College and keep it up to the requirements of the times.

In considering the present condition and prospects of the Institution the Board feel that there is reason for encouragement. There are, of course, deficiencies to be observed, and there is room for growth and development, but of what College may not this be said? We hope that Haverford will continue to hold before herself so high an ideal that she can always point out some direction in which she can and will make still further progress.

We desire that the members of the Corporation may take, more and more, an active interest in the prosperity of their College and strive to promote its advancement. Without doubt, in the future as in the past, Boards of Managers will endeavor to do their duty and will accomplish much, but it is not to them alone that Haverford should look. Every Corporator, and every former student,

should assist in the good work, as far as circumstances and opportunities permit.

We must not rest here, but, above all, we must seek His help and blessing without Whose aid all efforts will be unavailing. Corporators, Managers, Professors, and Students must feel that it is only as their hearts are lifted to Him for strength and guidance and yielded to the influence of His Holy Spirit that their work will prosper. It is only thus that Haverford College will fulfil the purpose for which the founders planted it,—the higher education, under Religious influences, of their sons. May it be our privilege to contribute, year by year, under the Divine blessing, to the fruition of their hopes and prayers.

By direction of the Board,

(Signed) EDWARD BETTLE, JR., Secretary.

# Report of the President

TO THE

### BOARD OF MANAGERS.

THE President of Haverford College respectfully presents his fourth annual report.

During the academic year 1878-79 the College has made new progress in that healthy and gradual growth which we trust will continue to characterize the present era in its existence.

The duties of instruction in Rhetoric and English Literature and Composition having been assigned to a special Professor, these subjects have received greater attention than in some former years. The giving more time to English composition was probably the greatest improvement which remained to be made in our curriculum, after the recent enlargement of the course of study in History. Whatever else is essential in a liberal education, all persons will agree with President Eliot in the view implied in one of his public utterances, that no one can claim to be liberally educated who is not familiar with the best literature of his native tongue, and able to speak and to write his own language with correctness, conciseness, elegance, and force. And nothing can give these accomplishments short of much reading of the best books, and

much careful practice in composition. Our well selected library furnishes ample opportunity for the one, our Professor will provide occasions for the other. Illustrations, too, will be given of the wholesome genius and spirit of English literature. Nor will its historical development be neglected; for the history and the literature of a people should always be studied together. The careful and thorough examination of a few masterpieces, under accomplished criticism, will be fruitful of great benefit in a short time. The literary culture obtained at Haverford in the last quarter of a century has, indeed, been one of the strongest points of the College. I trust that the same work will be carried on in future, and with more system and completeness.\*

The serious loss in our teaching force occasioned by the much-regretted retirement of Professor Alsop was supplied by the additional labors of our other professors, without detriment to the interests of the College. The teaching in all the departments during the last year was faithful, earnest, and effective. In regard to the year which is now opening, I cannot withhold an expression of my satisfaction with the appointment of the John Farnum Professor, and the better division of labor among the officers which it has made pos-

<sup>\*</sup> The sources of such culture are not confined to any one department. Prominent among them is the study of the ancient classics. I am happy to cite here an extract from a valuable paper by my old pupil Adams Sherman Hill, the accomplished Professor of Rhetoric at Harvard University (Good Company, vol. iv., No. 3), which has appeared since this Report was presented: "No translation from a foreign language, whether oral or written, no examination book, no recitation, should be deemed creditable unless made in good English. . . . . Every instructor" in whatever course of study, "who himself peaks and writes good English, is of great service."

sible. Our physical laboratory will doubtless become increasingly useful in cultivating "the scientific instinct," and training students to that accurate observation of even the minutest phenomena and that exact measurement even of the smallest quantities, which are the great instruments of progress in the physical science of our day.

In the fitting up and opening of the new apartment for the Museum there is a partial but most welcome fulfilment of hopes I have often expressed to your Board. The advantages of placing specimens, formerly hidden, where they can be studied in a good light, are already apparent. present collection is but the nucleus of a vastly larger one, which will grow up in due time. In the extension of the Museum, the first thing to be aimed at is the making as complete a collection as possible of the more important typical specimens in all the departments of Natural History. Large special collections should always be gratefully accepted as donations, and carefully preserved and exhibited; and such may properly be purchased also whenever a rare bargain is offered. But the first aim of a collegemuseum should be the illustration of the general types and the broad demarcations in the realm of nature. To this of course should be added the fullest possible exemplification of special fields. And in these, one of the first duties which a museum owes to science is the full illustration of the geology and mineralogy and the flora and the fauna of its own neighborhood. The collection of specimens of this kind can well be made an incidental accompaniment of the field studies of professors and students.

The care and preservation of such specimens in Natural History as we shall be most likely to procure, whether by donation or by the efforts of members of our own academic community, involve but very little expense after they have once been placed in the cases. Costly alcoholic preparations we may be content to want, unless some special endowment should ever be received for their supply.

After several years' experience, our rules for the examination of applicants for the degree of Master of Arts have been well matured; and we are satisfied that they aid graduates in the selection of such courses of advanced study as will benefit them most, at the same time that they give us a satisfactory test of the fitness of the candidate for this high academic honor.

The best part of the work of a college cannot be exhibited in a report. Its results are seen—when seen at all—in the lives and characters of the men it has trained and moulded. It depends most of all, under the Divine blessing, upon the faithfulness and patient labor of Professors, who possess not only knowledge and ability, but also both natural tact and acquired skill in teaching; who are more anxious to ascertain and aid the deficiencies of the students, whatever self-sacrifice it may require, than to display their own genius and learning; who are patient with the slow and encourage the timid, correct indolence and expose superficial pretence, but incite to diligence chiefly by the enthusiasm which they feel themselves and the interest which they throw around the subjects they teach; and who constantly entertain a prayerful solicitude for the moral and

religious welfare of those under their charge. It requires no less a manly earnestness and a noble purpose on the part of the students. In a college of the size of Haverford there are much greater advantages than in larger institutions for the full and direct influence of the teachers upon the taught, and the adaptation of methods to special peculiarities of disposition and capacity. So long as both its instructors and its students show the spirit which now characterizes them, our College may hope for a continual increase of its usefulness and its fame.

Among the public lectures in the last year, was one on Elocution and another on "The Lake Poets" by the President; a course on the Philosophy of Christianity by Prof. Pliny Earle Chase; lectures on Chemical Philosophy by Prof. Sharpless, and on Physics by Prof. Mendenhall; and a lecture on English Cathedrals, with illustrations, by Prof. Thomas. J. Hall McIlvaine on several evenings displayed some very interesting views of the ruins of Rome and Pompeii, and of various monuments of ancient art, accompanied with lively descriptions and explanations. Count de Zaba unfolded his method of topical mnemonics as applied to the study of history. The President conducted several elocutionary readings from the English Poets with the junior class. Informal but interesting addresses to the students were kindly made by President Gilman, of the Johns Hopkins University, and by Surgeon Billings, of Washington, on the occasion of their visits to Haverford. Upon a memorable day our friend Joseph Bevan Braithwaite addressed the whole college in Barclay Hall, on the Problem

of Life, in words of singular comprehensiveness and wisdom. In the first-day collections the President addressed the students on eleven afternoons and read appropriate selections on all the others.

With especial gratitude I record my belief that the past year at Haverford was fruitful in spiritual blessings. That they may be yet more abundant in the year on which we are now entering with so many signs of promise is my fervent prayer.

THOMAS CHASE.

Ninth Month 1st, 1879.

# Public Brergises of the Junior Class,

#### FOURTH MONTH 16th, 1879.

- 1. An English Oration, "Our Inheritance in the North."

  CHARLES FREDERICK BREDE, Salem, Iowa.
- 2. An English Oration, "The Chinaman in America."

  ALEXANDER P. CORBIT, Odessa, Del.
- 3. An English Oration, "The Results of the Norman Conquest."

  JOHN M. WHITALL,\* Germantown, Pa.
- 4. An English Oration, "The Future of the Society of Friends."

  CLAYTON WILLIAM TOWNSEND, Ashley, Ohio.
- 5. A Latin Oration, "De Q. Horati Flacci Vita atque Operibus."

  FRANCIS HAZEN COPE, Germantown, Pa.
- 6. An English Oration, "Oratory in the Past and Present."

  EDWARD MAGARGE JONES,\* Germantown, Pa.
- 7. An English Oration, "Our Government and Science."

  CHARLES ELWOOD COX, Lawrence, Kansas
- 8. An English Oration, "Dr. Samuel Johnson."

  CHARLES EDWARD GAUSE, JR.,\* Plainfield, N. J.
- 9. An English Oration, "Protection for the United States."

  JOSEPH RHOADS, JR., Wilmington, Del.
- Io. An English Oration, "The Aspect of American Politics."
   JAMES LEWIS LYNCH,\* Longwood, Mo.
   \* Resigned the privilege of speaking.

- II. An English Oration, "Free Trade for the United States."

  JOSIAH PENNINGTON EDWARDS, Spiceland, Ind.
- 12. An English Oration, "The Ancient Civilization of Mexico and Central America."

  SAMUEL MASON, JR., Germantown, Pa.
- 13. An English Oration, "The Life and Character of Francis Wayland." WILLIAM BISHOP,\* Columbus, N. J.
- 14. An English Oration, "The Temporal Power of the Pope."

  WILLIAM FRANCIS PERRY, Wakefield, R. I.

  \* Resigned the privilege of speaking.

## Order of Prercises at Commencement.

Sixth Month 25th, 1879.

1. Latin Salutatory Address; and an English Oration, "The Mystery of the Pyramids."

JOHN E. SHEPPARD, JR., Greenwich, N. J.

2. An English Oration, "The Colonization of America as Foreshadowing her Destiny."

JOHN BACON NEWKIRK, Greenwich, N. J.

3. An English Oration, "The Mendicant Orders before the Reformation."

WILLIAM C. LOWRY, Philadelphia, Pa.

4. An English Oration, "Nature and Consciousness."

SAMUEL BISPHAM, JR., Philadelphia, Pa.

5. An English Oration, "The Greek Church."

EDWARD GIBBONS, Wilmington, Del.

6. An English Oration, "More Light."

Francis Henderson, Germantown, Pa.

7. An English Oration, "The Tendency and Limit of Democracy;" and Valedictory.

JOHN HENRY GIFFORD, West Falmouth, Mass.

Address to the Graduating Class,

By President THOMAS CHASE.

# Pegrees Conserred at Commencement, 1879.

### BACHELORS OF ARTS.

CLASS OF 1879.

SAMUEL BISPHAM, JR.,

EDWARD GIBBONS,

John H. Gifford,

Francis Henderson,

WILLIAM C. LOWRY,

JOHN B. NEWKIRK,

John E. Sheppard, Jr.

OF THE CLASS OF 1872.

JOHN E. FORSYTHE.

### MASTERS OF ARTS.

CLASS OF 1875.

ALONZO BROWN,

J. FRANKLIN DAVIS.

CLASS OF 1876.

FRANCIS G. ALLINSON,

SETH K. GIFFORD.

HONORARY.

ELLIS YARNALL,

RICHARD M. JONES.

# Order of Recitations.

## FIRST HALF-YEAR, 1879-80.

### SECOND-DAY.

	9,30-10.30		11-12		3-4
SENIORS	Latin, <i>Ez. Physics</i> .		Greek, Mechanics.		German.
JUNIORS	Anal. Geom.		Rhetoric.		Chem. Anal. Desc. Geom.
SOPHOMORES.	Ethics.		Nat. Philos., Zoology.		Latin, Chem. Anal.
Freshmen	Latin.		Greek, Nat. Philos.		
	-		-		
		THIRD-	-		
JENIODO	9-10	10–11	11-12	2-3	3-4
SENIORS	History. Greek,		Butler. Anal. Geom.	Ez. Physics.	Latin. Rhetoric.
SOPHOMORES.	Chem. Anal.		History.		T-1
FRESHMEN	Latin.	Geometry.	mistory.		Trigonom. Latin.
			_		
		FOURTH	-DAY.		
	9-10	10-11	11-12	2-3	<b>3–4</b>
SENIORS	Astronomy, Nat. Philos.	Greek.	French.		Psychology.
JUNIORS	Latin, Nat. Philos.	French.	French.	Chem. Anal.	Greek.
SOPHOMORES.	(}reek,		Nat. Philos.	Zoology.	Latin.
FRESHMEN	Nat. Philos. Phys. Geog.	French.	Greek.		History.
			Nat. Philos.		
		FIFTH-	DAY.		
	8. <b>30-9.30</b>	9-10	9.30-10.30	2–3	3-4
SENIORS	Fra Dible	Greek Test.		Maskentas	German,
JUNIORS	Eng. Bible. Eng. Bible.	Greek Test.		Mechanics. Latin.	Nat. Philos. Nat. Philos.
SOPHOMORES.	Greek Test.,		Drawing, Mech. Draw.		(†reek, Nat. Philos.
FRESHMEN	Eng. Bible. Eng. Bible.		Drawing.		Geometry.
-		SIXTH-	DAY.		
	9–10	10-11	11-12	2-3	3-4
SENIORS	French.	Butler.		Psychology.	
JUNIORS SOPHOMORES.	French. Nat. Philos.	Anal. Geom.	French. Latin.	Chem. Anal.	Desc. Geom.
	Mech. Draw.		French.	Chem. Anal.	
FRESHMEN	Greek, <i>Nat. Philos</i> .	***************************************	Geometry.		Rhetoric.
		SEVENT	H-DAY.		
	8.35-9.80	9.30-10.25	10.25-11		
SENIORS	Astronomy.	French.	History.		
JUNIORS SOPHOMORES	Rhetoric. Ethics.	French.	Geology. Trigonometry.		
FRESHMEN		Geometry.	Latin.		

N. B.—Where the Scientific Course differs from the Classical, the subjects of the Scientific Department are printed in Italics.

# Order of Recitations.

## SECOND HALF-YEAR, 1880.

## SECOND-DAY.

9.35-10.35

11-12		2-0	<b>0-4</b>	
	l.	Psychology.	Astronomy.	
		••••	Greek, Mechanics.	
Latin,		•••••		
Zoology.		•••••	Latin.	
	DAY.			
10-11	11-12	2-3	3-4	
	German.	Latin.	Chem. Anal. French.	
German.	Calculus.	French.	French.	
Geology.	Ethics.	French.	Chemistry.	
******	Latin.	*** *** **** *** ***	Greek. Chemistry.	
FOURTE	I-DAY.			
10-11	11-12		3-4	
	German.		Astronomy, Nat. Philos.	
	Astronomy,		Greek, Nat. Philos.	
y			Latin, Nat. Philos.	
-	Astronomy.			
	mistory.		Eug. Lit.	
FIFTH	-DAY.			
9-10		2-3	3-4	
Eng. Bible.		теек.	History.	
Greek Test., Eng. Bible.		***************************************	German.	
	Drawing,		(ireek.	
	Drawing.	Mech. Draw.	Algebra.	
		-		
		0.9	8-4	
French.		Psychology.		
		Mechanics.		
	•		El	
•••••	1 rigonometr	у	Chemistry, Astronomy.	
	Latin.		Greek, Chemistry.	
SEVENT	H-DAY			
	- <i>-</i> //A			
	10.25-11 20			
9.30-10.25 Anglo Saxon.	10.25-11.20 History, etc			
	Chemical Ana Nat. Philos. Latin, Nat. Philos. Latin, Nat. Philos. Zoology.  THIRD 10-11  German. Geology.  FOURTF 10-11  Mechanics, Greek.  FIFTH 9-10  Greek Test., Eng. Bible. Greek Test., Eng. Bible. French.  Firench.	Nat. Philos. Latin, Nat. Philos. Latin, Nat. Philos. Latin, Nat. Philos. Zoology.  THIRD-DAY.  10-11 11-12 German. German. Geology. Ethics. Latin.  FOURTH-DAY.  10-11 11-12 Mechanics, German. Greek. Astronomy, Mechanics. Y. Greek, Astronomy. History.  FIFTH-DAY. 9-10 9.30-10.30 Greek Test, Eng. Bible. Drawing, Mech. Draw. Drawing.  SIXTH-DAY. 10-11 11-12 French. Barclay's Ap. French. Logic.	Chemical Anal.  Nat. Philos. Latin, Nat. Philos. Latin, Nat. Philos. Zoology.  THIRD-DAY.  10-11 11-12 2-3 German. Calculus. Geology. Ethics. French. Geology. Ethics. French. Latin.  FOURTH-DAY.  10-11 11-12 Mechanics, Greek. Astronomy, Mechanics. Greek, Astronomy. History.  FIFTH-DAY.  9-10 9-30-10-30 2-3 Greek Test., Eng. Bible. Greek Test.,	

# Treasurer's Account.

FROM NINTH MONTH 30TH, 1878, to EIGHTH MONTH 1ST, 1879.

## RECEIPTS.

Balance in hands of Treasurer, 9	.aL														
	m	mc	nth	30	th,	187	8,								<b>\$50</b> 6 48
Income of General Fund,															5,056 40
" Library Fund,															662 98
" Edward Yarnall Fund															105 42
" I. V. Williamson Fun															598 72
" John Farnum Fund,															277 50
Donation,															500 00
Rent of Farm															1,200 00
" Dwellings,															400 00
Insurance return of deposits for															•
changes in the policies,															370 40
Amount charged for Board and															15,379 50
Profit on Stationery,															20 28
Amount borrowed, including sur															
ing 8th month 1st, 187								•							4,675 00
g	-,	•	•	•		·	•	•	•	•	•	•	·	•	
															\$29,752 68
						_									
	$\mathbf{P}$ .	А`	V I	M	ויטו		70								
				V.	E .	N .1	. 3	•							
Library Committee,							_	•							<b>\$662</b> 98
Library Committee,			•												\$662 98 9,475 ∞
•		•	•					•							
Salaries,			•												9,475 ∞
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Salaries,															9,475 00 2,984 84 7,669 99 2,199 80 1,918 92 536 55 1,670 12 117 32 492 17 1,373 19 632 03

As the accounts of the Treasurer submitted to the annual meeting unavoidably contain items belonging to the previous year, the above summary has been made up exhibiting as nearly as practicable the receipts and expenditures of the College for the academic year ending 8th month 1st, 1879. The large increase in the number of students involved a considerable expenditure for turnishing the rooms in Barclay Hall. This will account in part for the items of "Family Expenses 2nd Sundries."

The Annual Meeting of "The Corporation of Haverford College," is held on the second Third day in the Tenth Month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth day in the Third, Sixth, Ninth, and Twelfth Months, at 3½ o'clock P. M.

## LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

## FORM OF A LEGACY.

I give and bequeath (	(if personal)—devise (if real) to 4 The Corporation
of Haverford College,"	the sum of
	or if real estate,
describe it)	to have
and to hold, to them,	their successors and assigns, to the use of the said
"The Corporation of	Haverford College." their successors and assigns.

## CIRCULAR.

## HAVERFORD COLLEGE

Is situated near HAVERFORD COLLEGE STATION (the first station east from Bryn Mawr), on the Pennsylvania Railroad, about nine miles west from Philadelphia.

Its courses of study are thorough, liberal, and judicious. It has won a very high rank among American Colleges for the successful diligence of its students, and the fidelity and skill of its Professors. Its location is remarkably healthy, its grounds extensive and attractive, and it provides for its members a pleasant and very comfortable home. Endeavoring to promote sound moral as well as intellectual and physical culture, it aims to be a family of Christian scholars.

Students living in Philadelphia or its neighborhood may visit their homes every week.

There are three Terms in the year, commencing in 1880, First Month (Jan.) 6th, Fourth Month (April) 28th, and Ninth Month (September) 8th, respectively. The next academical year will open Ninth Month 8th, 1880. Students may enter at the beginning of any term. The price of Board and Tuition is \$425.00 per annum, payable one-half at the beginning, and one-half at the middle of the College year. This charge includes rooms, necessary furniture, fuel, lights, and attendance. Washing is charged at the rate of 75 cents per dozen. All articles of clothing, including overcoats, as well as towels, napkins, umbrellas, etc., must be marked legibly with the student's name in full. Text-books and stationery can be purchased at the College.

Telegrams should be directed via Bryn Mawr, Pa. There are also at Bryn Mawr a Money Order office and an office of Adams's Express Company.

## APPLICATIONS FOR ADMISSION

should be made to the President, THOMAS CHASE, LL.D., Haverford College P. O., Montgomery County, Pa. Each candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must offer also certificates of dismission in good standing. Candidates will present themselves at the College, for examination, at 2 o'clock P.M., on Commencement Day (Sixth Month 30th, 1880), or at 9 o'clock on the morning preceding the opening of the Term at which they desire to enter.

The College is open for the admission of the sons of Friends, and of

others who are willing that their children should be educated in conformity with our Christian principles.

## REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

In Classics, a familiar knowledge of the paradigms and of the leading rules of Syntax in Latin and Greek Grammar, to be tested, in part, by writing sentences in Latin and Greek; acquaintance with Prosody, to be proved by scanning verses from Virgil; and ability to give, after one hour's study, with the aid of a Lexicon, a literal translation of a passage not before read by the candidate, both in Latin and Greek prose or verse, and to apply the proper rules of Syntax to the constructions in that passage.

Candidates are recommended to read the books of a preparatory course in Greek and Latin which are ordinarily prescribed in the requisitions for admission to American colleges; but this course may be varied at the discretion of teachers, provided the candidate is found to possess sufficient knowledge of both languages to enable him to pursue, with facility and advantage, the studies of the Freshman Year.

Those who enter for the Scientific Course are excused from the examination in Greek, and examined in the elements of Physics and Botany.

In Mathematics, a good knowledge of Arithmetic, including the Metric System, and of Algebra, including Quadratic Equations, is required. It is very desirable that candidates should have some introductory knowledge of Geometry, gained from the first four books of Sharpless's Geometry or their equivalents.

Candidates must be familiar with English Grammar, Spelling, Civil Geography, Physical Geography, the elements of Greek and Roman History, and the History of the United States. Acquaintance with the elements of the History of England is also desirable.

Satisfactory examination-papers, written under proper safeguards at first-class schools, and sent to us by the teachers properly attested, will be accepted so far as they cover the same ground as our own requisitions.

Students may be admitted to advanced classes, if found fully prepared for admission to the *Freshman Class*, and *also*, on further and special examination, in *all the regular studies of the Course* up to the point at which they enter.

Several scholarships, varying in value from \$50 to \$225 per annum, are offered, by the Managers, to students standing in need of pecuniary assistance. Applications for such aid must be made to the President; and candidates for scholarships must be thoroughly prepared in all the studies required for entrance.

The following is the Course of Study for the degree of BACHELOR OF ARTS:

## FRESHMAN YEAR.

New Testament, Sharpless's Geometry, Algebra, Xenophon and Herodotus, Homer, Review of Greek Grammar, Exercises in writing Greek, Livy, Horace, Review of Latin Grammar, Exercises in writing Latin, History, English Literature, Rhetoric, English Composition, Tenney's Zoology, Wood's or Gray's Botany, Drawing:

## SOPHOMORE YEAR.

The Bible, Schuyler's Trigonometry, and Surveying, with Field Practice, Navigation, Natural Philosophy, The Prometheus of Aeschylus, Plato's Apology and Crito, Exercises in writing Greek, Horace, the Germania and Agricola of Tacitus, Exercises in writing Latin, History, Dymond's Essays on Morality, Paley's Evidences of Christianity, Themes, Eliot and Storer's Chemistry, Geology, Drawing.

## JUNIOR YEAR.

Greek Testament, Peck's Analytical Geometry, Differential and Integral Calculus (elective), Astronomy (with practice in the Observatory), Thucydides, The Antigone of Sophocles, Exercises in writing Greek, Cicero's Tusculan Disputations and Somnium Scipionis, The Captives of Plautus, Exercises in writing Latin, German, French, Whately's Rhetoric, Whately's Logic, Haven's Mental Philosophy, Political Economy, International and Constitutional Law, Themes, Geology completed, Mechanical Drawing (optional).

## SENIOR YEAR.

### REQUIRED STUDIES.

Greek Testament, Juvenal, Cicero's and Pliny's Letters, The Ancient Pronunciation of Latin, Latin Composition, History of Ancient Literatures, Keary's Dawn of History, Anglo Saxon, Philological Study of the English Language, Butler's Analogy, Barclay's Apology, Gurney's Observations, Arnold's Lectures on Modern History (or an equivalent), Guizot's History of Civilization in Europe, Seebohm's Protestant Revolution, Hallam's Constitutional History, Anatomy and Physiology, Hygiene, Themes, Forensics.

## ELECTIVE STUDIES.

Analytical Mechanics, Differential and Integral Calculus, Advanced Physics, Astronomy, with Observatory Practice, Demosthenes on the Crown, Greek Lyric Poets. Advanced Classical Philology, Writing Greek. Advanced German, Advanced French, Advanced Psychology, Drawing.

### Course of Study for the Degree of

## BACHELOR OF SCIENCE.

## FRESHMAN YEAR.

THE same as in the Classical Course, with the exception of Greek, and with the addition of Natural Philosophy and Chemistry.

## SOPHOMORE YEAR.

The same as in the Classical Course, but omitting Latin and Greek, and adding German, Physics, Chemistry (continued), Astronomy, and Natural History.

## JUNIOR YEAR.

The Bible, Analytical Geometry, Calculus, Elementary Greek (elective), Latin (elective), German, French, Rhetoric, Themes, Logic, Mental Philosophy, International and Constitutional Law, Advanced Chemistry, Advanced Geology and Mineralogy (elective), Acoustics, Optics, Heat and its Applications, Meteorology, Descriptive Geometry, Drawing.

## SENIOR YEAR.

#### REQUIRED STUDIES.

The Bible, Mechanics, Astronomy, with Observatory Practice, French, Anaromy and Physiology, Hygiene, Mental Philosophy, Butler's Analogy, Gurney's Observations, Barclay's Apology, Arnold's Lectures on Modern History, Guizot's History of Civilization in Europe, Seebohm's Protestant Revolution, Hallam's Constitutional History, History of Ancient Literatures, Keary's Dawn of History, the Philological Study of English, Anglo-Saxon, Themes, Forensics.

#### ELECTIVE STUDIES.

Higher Mathematics, Higher Physics, Greek, German, Psychology, Laboratory Practice, Drawing.

FOR FURTHER INFORMATION, address Professor Allen C. THOMAS, *Prefect*, HAVERFORD COLLEGE P. O., Montgomery County, Pa.

## REPORT.

# HAVERFORD COLLEGE.

1880.

7. Saunders.

Samaen.
Aster Lebrary

I send you by Adams

- Rebote of Oxpress propass) all the Reports of the Managers of Hanry prol bollege that I can get hold of - on fait the College itself has but one complete Och - I have only today been able to yet hold of two or three numbers. I send 29 in all ranging from 1833 -1880 - A complete set it believe is now importantle

Line is respectfully Allen 6 Th minds Librarian

## R E P O R T

OF

## THE MANAGERS

OF

# HAVERFORD COLLEGE.

**TENTH MONTH 12th, 1880.** 

PHILADELPHIA: G 1766
PRESS OF HENRY B. ASHMEAD,
1102 AND 1104 SANSOM STREET.
1880.

## CORPORATION.

SECRETARY,
EDWARD BETTLE, Jr.

TREASURER,

DAVID SCULL, Jr.,

No. 125 Market Street, Philadelphia.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
HUGH D. VAIL,
JAMES CAREY THOMAS,
BENJAMIN V. MARSH,
PHILIP C. GARRETT,
WILLIAM C. LONGSTRETH,
JAMES E. RHOADS,
RICHARD CADBURY,
DAVID SCULL, JR.,
JOEL CADBURY,
RICHARD WOOD,

ROBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,
GEORGE HOWLAND, JR.,
CHARLES HARTSHORNE,
JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
EDWARD L. SCULL,
FRANCIS WHITE,
BENJAMIN H. SHOEMAKER,
HOWARD COMFORT,
WILLIAM S. TAYLOR.

## STANDING COMMITTEES OF THE BOARD OF MANAGERS.

## EXECUTIVE COMMITTEE.

JAMES WHITALL, DAVID SCULL, JR., EDWARD L. SCULL.

EDWARD BETTLE, JR. RICHARD CADBURY, PHILIP C. GARRETT.

CHARLES ROBERTS.

#### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN, CHARLES HARTSHORNE, WILLIAM C. LONGSTRETH, JOHN B. GARRETT,

BENJAMIN H. SHOEMAKER.

### LIBRARY COMMITTEE.

RICHARD WOOD, PHILIP C. GARRETT. BENJAMIN V. MARSH,

CHARLES ROBERTS, EDWARD BETTLE, JR., EDWARD L. SCULL,

HOWARD COMFORT.

## FARM COMMITTEE.

WILLIAM C. LONGSTRETH, DAVID SCULL, Jr., HUGH D. VAIL,

ROBERT B. HAINES.

WILLIAM S. TAYLOR.

#### MUSEUM COMMITTEE.

DAVID SCULL, JR., CHARLES ROBERTS. HUGH D. VAIL, BENJAMIN V. MARSH,

PHILIP C. GARRETT.

## VISITING COMMITTEES.

To visit the College on the second Third Day of each month, from 9 to 12 A.M., and at such other times as each Committee may appoint.

## ELEVENTH MONTH.

W. MORRIS, T. W. BROWN, F. T. KING, B. H. SHOEMAKER.

#### TWELFTH MONTH.

B. V. MARSH, P. C. GARRETT, J. C. THOMAS, J. WHITALL.

#### FIRST MONTH.

W. C. LONGSTRETH, W. R. THURSTON, J. E. RHOADS, H. D. VAIL.

### SECOND MONTH.

G. HOWLAND, R. CADBURY, J. CADBURY, D. SCULL, JR.

#### THIRD MONTH.

R. WOOD, R. B. HAINES, F. WHITE, H. COMFORT.

### FOURTH MONTH.

C. HARTSHORNE, J. B. GARRETT, E. BETTLE, JR.

## FIFTH MONTH.

C. ROBERTS, E. L. SCULL, W. S. TAYLOR.

## SIXTH MONTH.

W. MORRIS, T. W. BROWN, F. T. KING, B. H. SHOEMAKER.

## NINTH MONTH.

B. V. MARSH, P. C. GARRETT, J. C. THOMAS, J. WHITALL.

#### TENTH MONTH.

W. C. LONGSTRETH, W. R. THURSTON, J. E. RHOADS, H. D. VAIL.

## FACULTY.

THOMAS CHASE, LL.D., PRESIDENT,
AND PROFESSOR OF PHILOLOGY AND LITEBATURE.

PLINY EARLE CHASE, LL.D., PROFESSOR OF PHILOSOPHY AND LOGIC, AND IN CHARGE OF THE DISCIPLINE.

ALLEN CLAPP THOMAS, A.B., PREFECT, AND PROFESSOR OF RHETORIC AND HISTORY.

ISAAC SHARPLESS, S.B.,
PROFESSOR OF MATHEMATICS AND ASTRONOMY.

LYMAN BEECHER HALL, Ph.D.,
JOHN FARNUM PROFESSOR OF CHEMISTRY AND PHYSICS.

FRANCIS GREENLEAF ALLINSON, Ph.D.,
ASSISTANT PROFESSOR OF GREEK AND LATIN.

JOSEPH RHOADS, Jr., A.B.,
INSTRUCTOR IN NATURAL HISTORY AND CURATOR OF THE MUSEUM.

WILLIAM BISHOP, S.B.,
ASSISTANT IN THE ASTRONOMICAL OBSERVATORY.

## REPORT OF THE BOARD OF MANAGERS

ΛP

## THE CORPORATION OF HAVERFORD COLLEGE.

THE Managers, in presenting their Report for the Students. year just past, can, as they did last year, congratulate the Corporation upon an increased attendance of students at the College. The number then reported was seventy-one; the number now enrolled is seventy-five. Of these twenty-three entered the College at the opening of the Fall term this year. of them joined the Junior, seven the Sophomore, and fourteen the Freshman class. Three of them, and four from last year, are day-students, all but one of them living in the country near the College.

The number now enrolled is certainly a gratifying evidence of the favorable regard in which the College The indications are that this is gradually but surely extending; and we earnestly desire that President, Professors, Students, and Managers may, through Divine aid and favor, be enabled to promote its welfare and advancement, which depend upon the Christian lives and endeavors of them all.

One of the instrumentalities which has been help-Illustrated pamphlet ful in spreading information of the advantages and entitled "Haverford attractions of the College is the illustrated pamphlet Aims and Characterof which mention was made in our last Report. allude to it now in order to suggest to the Corpora-

tors, former students, and all interested in the College, that by placing one of these in the hands of their friends who have sons to educate, they may perform important service to the College, in supplying it with students and extending its sphere of usefulness.

Haverford should especially look to its former students for support of this kind. No others are so well qualified to render it efficiently; and we are glad to believe none are more willing to furnish it. Much has been done for their Alma Mater by them, in this as in other ways, but more, we believe, might be done. It is possible that some have never considered the importance of this subject. If so, we trust that this mention may put them in mind of it, and that the College will soon feel the good effects of their efforts in her behalf.

Changes in the College Faculty. There have been some changes made in the College Faculty for the coming year, owing to the resignation of Professor Robert B. Warder, and the return of Dr. Nereus Mendenhall to his home in North Carolina, at the close of the last scholastic year.

The Managers have elected to the John Farnum Professorship of Chemistry and Physics, formerly filled by Professor Warder, Lyman B. Hall, a graduate of Amherst, and Ph.D. of Göttingen, and for three years past Fellow in the Johns Hopkins University, where he has also served as Assistant to Professor Remsen in laboratory and class-room work during last year. He brings with him high testimonials as to character and ability from President Gilman and Professor Remsen. The work in the chemical Lab-

oratory was an interesting and valuable feature of the College course, last year, to those engaged in it; and from the number of elective students in this science, we believe that under Dr. Hall's instruction this interest will be fully maintained the coming year.

Our friend Francis G. Allinson, a graduate of Haverford and of Harvard, and Ph.D. of Johns Hopkins, and for three years past Fellow in Greek in that university, comes to us from there, and takes the place of Dr. Mendenhall as Assistant Professor of Latin and Greek, having under his care the Freshman and Sophomore classes. He also instructs the classes in German.

Professor Pliny E. Chase has been placed in charge of the discipline, the important duties of which position were so kindly assumed by our friend Dr. Mendenhall, upon the resignation and retirement of Professor. Alsop in 1878. unnecessary here to speak of the character and attainments of Professor Chase; they are known to all friends of Haverford. It is our belief that the good influence he has exerted, as Professor, upon the young men at the College will be still more widely and deeply felt in this new sphere, where there will be fuller scope and occasion for its exercise. We trust that the responsible duties he has undertaken in this appointment will be rendered easy to him by the respect and affection of the students, which he fully possesses, and that he will have their cordial co-operation in maintaining good feeling and good discipline in the College, and a high standard of Christian living.

Joseph Rhoads, Jr., a graduate of 1880, was nominated by Professor Chase as his Assistant in the management of the discipline, and has been, accordingly, appointed by the Board to this service. He will also act as Instructor in Zoology and Botany and Curator of the Museum.

'William Bishop, also a graduate of the class of 1880, has been appointed, on the nomination of Professor Sharpless, his Assistant in the Observatory for the coming year.

The Observatory.

By this appointment it is expected that regular and useful work will be done in the Observatory, and also that its efficiency in giving the students practical knowledge of Astronomy and the use of instruments will be greatly promoted. It was for the latter purpose that the Observatory was built and equipped, and the Managers have had this intention in view in giving to Professor Sharpless an assistant. Seven members of the Senior class have done good work in the Observatory in the past year. Through a portion of the course the recitations were omitted conditionally upon night-work being performed. The work was divided among them so as to give to each a definite line of investigation. This, with frequent interchanges of work, has given a drill in practical Astronomy such as no other college in the country, perhaps, gives to so large a proportion of its students.

Other Departments. The other Professors remain in charge of the same departments as last reported. The College seems, then, well equipped for its work; and if the earnest spirit and right feeling which now exist in it continue, we may, under the Divine blessing, look forward to a successful and prosperous year.

Mention was made in our last Report of the estab-The Museum lishment of the Museum in the room made for it on the second floor of Founders' Hall. It has been Donation's enriched this year by the reception of about seven hundred stuffed birds, representing a large number of American and foreign species. These are a part of an ornithological collection now being made for the Museum by a member of the Board.

Professor J. Peter Lesley, Superintendent of the Second State Geological Survey of Pennsylvania, has presented a valuable collection of specimens illustrating some of the principal features of the geology of the State.

There have also been received through President Chase, from Alexander Agassiz, the distinguished Curator of the Museum of Comparative Zoology at Cambridge, a fine set of corals, principally from Florida and the eastern seas, and a valuable collection of echinoderms, principally from the eastern coast of the United States,—thus in part supplying one of our greatest deficiencies.

Professor Edward D. Cope has presented to the Museum some fossil bones of Reptilia from Texas.

Our friend Lewis Palmer has also added to our cabinets some valuable specimens of the minerals of Delaware county, Pennsylvania.

We trust that our friends will supplement these valuable gifts by other additions to our collections, in the various departments of natural science.

A collection of minerals and geological specimens The local from the neighborhood of the College has been History. begun, and we hope that our local natural history will in time be fully illustrated in our cabinets.

The present room provided for the Museum is nearly full; but as soon as additional space is needed, it is intended to take in adjoining class-rooms for the purpose.

Uses and usefulness of College Museums

There can be no doubt but that properly-classified and well-displayed collections, judiciously used and studied, are of great value and of almost necessary importance to a college. They tend to expand and cultivate the minds of students by giving them glimpses, at least, of the vast fields which lie around them in nature open to investigation. Young men may thus discover and develop a taste for some special line of study, and make this the business of their lives, to the advancement of sound knowledge; or, what is perhaps equally desirable, may devote their spare hours, in after life, to such work as their recreation. The importance of such diversion of mind, to business and professional men, is well known in older countries, and is becoming more and more recognized here. Museums, as has been said, are especially calculated to beget and foster Colleges should be centres of culture such tastes. to the communities around them; and the more liberally they are equipped, in all respects, the greater will be their influence. By the collections in their museums they can do much towards spreading in whole neighborhoods, and among their many visitors, the taste for natural science and observation that is thus developed among their students. In this way one of the important functions of institutions for higher learning is promoted.

We express ourselves at some length on this subject because we think the importance of it has, in

recent years, been overlooked at Haverford. When Haverford School was founded, efforts were made and some expense incurred to provide cabinets of minerals, etc.; but these in after years were somewhat neglected, partly because the College had no suitable place to exhibit them. Now that this has been provided and new collections commenced, let us continue our efforts to add to the attractions and usefulness of the Museum. This is another field in which former students and all friends of the College can labor with great benefit to it and interest to themselves.

The present number of books in the Library (not The Library including the 3934 volumes belonging to the three literary societies, which are on our shelves and accessible to all the students) is 8518, making a total of 12,452 volumes in our Library building. The increase over last year's report has been 511 volumes, of which 334 were purchased, 127 were presented, and 50 volumes were periodicals bound up.

Our Library has been very carefully selected, and Its deficiencentains (with the three others mentioned) a liberal collection of general literature; and the income of the Library Fund enables us to add, each year, the most valuable of the new books of this kind. It is, however, deficient in not meeting as it should the requirements of our Professors. An increase of the Fund which would enable us to do this would very greatly facilitate their work. Smaller contributions, to be expended for this purpose, would be of great present service. Several valuable works in Chemical science were added last year, but we have only made a beginning in meeting the wants of this Pro-

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fessorship. The Classical department is better provided for, although still deficient; while in Astronomy and Mathematics there is need of large additions. We trust that friends of the College will supply the needed increase to the permanent income for the Library, so that it may be made amply sufficient for the needs of Professors and advanced students. It is also very desirable to have a Librarian who shall be able to devote all his time to the Library and its interests. He could be of great service not only in directing the students to the books on the shelves, but in advising them as to their reading, and encouraging them to cultivate a taste for the best literature. He could also attend to the purchase of books, and aid in interesting our friends in the Library and its wants.

Degrees conferred at last Com-

The degree of Bachelor of Arts was conferred, at mencement the Commencement in Sixth month last, upon seven. and that of Bachelor of Science upon four, members of the graduating class.

Honorary

In view of the fact that it would be, in the autumn In view of the fact that it would be, in the autumn degree of this year, twenty-five years since our friend Thomas

Pres. Chase. Cl. Chase came to Haverford as Professor of the Latin and Greek languages and literatures, the Managers determined to confer upon him a degree, in remembrance of these many years of faithful labor, and in recognition of his success as an educator, and also of his services as one of the revisers of the English translation of the New Testament. The degree of "Doctor of Letters" (LTT.D.) was accordingly conferred upon him at the last Commencement. action of the Board has been received with satisfaction by the friends of the College, and especially by its Alumni of the last twenty-five years, to whom it has been a great pleasure to have their honored Professor and President thus admitted to their brotherhood.

There is one subject frequently brought forward Need of a in our Reports, but which we do not wish to mention downent. oftener than is proper, nor to dwell upon longer than is best. We refer to the need of a largely-increased endowment. The friends of the College have been very liberal to it, and have time and again come to its assistance by paying off indebtedness and contributing large sums for buildings, apparatus, and improvements of various kinds. We hope, therefore, that we shall not be thought ungrateful for this assistance, nor forgetful of it, which has been so generous in the past, and which still continues with unabated liberality. Those, however, who, like the Managers, are familiar with the workings of the College, and its wants, cannot help bearing testimony to the need, almost the necessity, of the steady support of a permanent fund which will render the College independent of the fluctuations of its class-lists, and enable it to pursue a steady, uniform policy in all things, regulated by what the Faculty and the Managers may think for its best interests, and not modified and hampered by the necessities of an embarrassed treasury.

The limits of this Report will not admit of a full presentation of the importance of this subject to the interests of Haverford College, nor of the increased advantages and usefulness which would result from a generous endowment. Other Professorships could be instituted, and those already in existence could

have salaries attached to them amply adequate to procure and retain the best skill in teaching.

Needs of young men intended for

Other courses of study could be established. leading colleges in the country have raised the requirements of admission to their lowest class above those which now prevail at Haverford. There is much to be said in favor of similar action by us, if the only object of the College were to turn out scholars of the highest grade. The purpose of the Founders, however-and it has by no means lost its importancewas to give to our young men a liberal education under guarded, religious influences, before they entered into business, whether mercantile or professional. Just how much time a young man intended for a mercantile or professional career can afford to spend upon his school or collegiate education is a question of very great importance, and very difficult to determine; nor is it likely that any definite or positive rule can be laid down, as so much will always depend upon the peculiar circumstances of each case.

To some it would seem a very desirable thing that two courses should be maintained at Haver-Suggestions ford, one for students who propose entering into subject. husings and the business, and the other for those whose time and interests admit of and require fuller instruction. The one course would demand less preparation at the outset and could be appreciated by younger students than the other, which would require larger preparation, and in its subsequent work and examinations would call for much greater maturity of mind and depth of scholarship. Others believe that without raising our standard for entrance, we can meet the wants of those desiring this fuller education

and severer scholastic training, by making two grades in the diplomas of the present Bachelor's degree, according to the amount and character of the work done by the graduates. They would also approve the establishment of a post-graduate course. plish either of these schemes, a double Faculty in some departments would be required; but we believe the advantages might be very great, and the large landed estate at Haverford would furnish ample provision for additional buildings and students.

We offer these suggestions because of the importance of the subject, and as a contribution towards the consideration and discussion of it. The problem is a difficult one, as has been said; but it is one that nearly concerns a very large proportion of those who are to-day preparing for or contemplating a collegiate education, or who may hereafter desire it. The right solution of it, therefore, is something that is worthy of, and should receive, the best efforts of all who have an interest in the work of liberal education.

We would again call attention to the need of ad-Free scholar-ships; need ditional free scholarships. If the Managers had provision for them. funds at their disposal for this purpose, they could inaugurate a system of scholarships for deserving young men, either by competitive examinations at certain designated schools throughout the Society, or by recommendations of prominent teachers, which would ensure a wise disposition of them. of Haverford in the different Yearly Meetings could aid the schools in their neighborhoods by endowing scholarships at Haverford to be awarded to the most deserving at these schools.

The Treasurer's account, and that of the Library Treasurer's statements.

fund, for the past year, are submitted with this Report. There has been, last year, a larger amount than usual [\$4387.44] expended in repairs and improvements; some of them were extraordinary, all of them, we believe, were necessary.

Deficiency.
Met this
year by subscriptions,
for this and
next two
years.

The deficiency of the year has been \$4562.53. This has been met by donations, amounting to \$5750, received from a few friends of the College, by whose liberality the institution has many times in the past been assisted. It is their intention to contribute a like sum during the years 1881 and 1882, to meet any deficiency of income in those years—the balance to be applied to the reduction of our debt. With this assistance we have been able to reduce our indebtedness \$2000 this year.

Present indebtedness of the College.

How caused.

The debt is now \$25,900; but we hope to make still larger reductions in the next two years. debt was created (largely) during a series of years when the number of students was small, and we were also without an adequate income from invested funds. It is our hope and expectation that in the future our annual receipts will be greater from both these sources; and while it is undoubtedly true that College expenditures can be, with advantage, almost indefinitely extended, yet there is a point beyond which they are a matter of choice and not of neces-We trust the time will come when the annual financial statements of the Treasurer of the Corporation may be equally satisfactory with the reports of the Managers as to the educational interests of the College.

Bequests. From J. M. Whitall. In his last will, our dear friend John M. Whitall, of Philadelphia, bequeathed to the institution the

sum of \$10,000, "clear money," upon the death of his wife, upon condition "that the art of drawing, especially mechanical drawing, shall be taught at the College," it being his wish "that each student shall have the opportunity of learning said art." The Trustees under his will, being satisfied that the above conditions are now complied with, have paid over to the Treasurer of the Corporation the legacy. This generous bequest, which insures that this important art shall be taught at Haverford, has already been productive of good results, and will be increasingly useful.

The Treasurer has also received from the executors under the will of our late friend and associate From Joseph Dr. Joseph W. Taylor, of Burlington, New Jersey, M.D. the sum of \$5000 (clear of taxes), which he bequeathed to the Corporation, the income to be used towards the payment of Professors' salaries.

Both these legacies are temporarily invested on call, with collateral security, at three per cent. interest.

Upon recommendation of the Faculty, the Board Change in decided to shorten the winter and spring vacations and vacations week each, and to lengthen the summer vacation by having Commencement one week earlier—that is, about the middle of the Sixth month—and the fall term open one week later, that is, about the middle of the Ninth month. This rearrangement of terms and vacations is of great advantage to those of our students who live in distant States, and who have not usually returned home during the short vacations, but have been obliged to board in Philadelphia. By the change in the long vacation the hot weather of summer is more nearly avoided.

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General Educational Conference of Friends, held at the College.

By invitation of the Board, the second general Conference of Friends on this continent interested in education in our Society was held in Alumni Hall on the 6th and 7th of Seventh month last. Yearly Meetings were represented, some of them by official delegates. Professors and teachers from Earlham, Penn, and Haverford Colleges, and from Providence, Westtown, and other schools, were present, and there was a large attendance of Friends from this vicinity, and, also, many from New York. New England, and Baltimore. It being vacation time, the visitors from a distance were entertained at the College, a charge being made sufficient to defray the cost. The proceedings consisted in the reading of essays, by well-known educators in the Society, followed by very interesting discussions of the subjects thus brought before the Conference. An interesting and valuable feature was the reading of three essays written for Dr. Joseph W. Taylor, at his request, upon the subject of Education for Women. by Presidents Gilman and Seelye, and Anna E. Johnson, Principal of Bradford Academy, Massa-The occasion was one of very great interest to all attending, and the feeling was generally expressed that such gatherings were very useful, in bringing together those interested and engaged in educational work in our Society, and in making them renewedly sensible of its importance and scope and inspiring them with fresh zeal and earnestness of purpose.

Past and future of the College. We believe that Haverford College is growing, in the estimation of its friends, in usefulness and in importance. Notwithstanding the disadvantage

under which it has labored of an insufficient pecuniary support, its course has been forward, and each step in its career has been well considered and need The improvements, in new buildnot be retraced. ings and alterations to old ones, have been such as will always be useful.

The prospects for the future usefulness of the Col-Prospects. lege were never surer and brighter than now. position as the leading educational institution of the Society of Friends, a church which has an honorable record in matters of education, furnishes a reason of its being. Under the wise policy of making character and merit the requisite and standard of admission to its halls, the influence and benefits of the College are extended beyond the limits of our own borders, and we trust they will be felt, hereafter, more and more In this way our Society can do a great and important work in a field in which its members are, perhaps, peculiarly fitted to labor.

We are favored at Haverford with a most admir-Advantages. able situation, upon a great railroad thoroughfare, on a large tract of land, in a beautiful and healthful country, whose inhabitants and those of the near city of Philadelphia may be expected to furnish it with students in increasing numbers. We may also expect that the peculiar advantages of the College will continue to attract students from other States. There is, then, much to encourage us as to the future of our College, and we believe that patient, faithful, prayerful labor for it will be abundantly rewarded.

We have lost, since last Report, two of our asso-Decease of two memciates by death—Dr. Joseph W. Taylor and William Board, Jos. G. Rhoads. We have already expressed, upon the M.D.

Minutes of the Board, our sense of their worth and of the great value of their services to the College. The one taken away full of years and honor, "like a shock of corn fully ripe," the other in the strength and prime of manhood, we believe they both received the same everlasting reward,—to both came the welcome sentence, "Well done, good and faithful servant; enter thou into the joy of thy Lord."

Concluding remarks.

In closing this Report we desire to express our gratitude to our Heavenly Father, Who has preserved the family at Haverford in uninterrupted health during the year just past, and to Whose blessing is due whatever of success has crowned the efforts of Professors and students. To His protecting care we must look, in the years to come, if we desire to maintain the College as a nursery from which shall go out His children, strengthened and trained to bear the burdens and to meet the conflicts of life, and to promote the spread of His truth and righteousness in Our fathers planted the School which the earth. has grown into the College, with this earnest, prayerful desire; and may we and our successors, animated by the same purpose and looking to the same holy Help, do our part towards sending forth year by year, through coming time, an annual company of young men, prepared, with the aid of His Holy Spirit, to advance their Heavenly Father's cause, and the kingdom of Jesus Christ our Lord.

By direction of the Board.

EDWARD BETTLE, Jr., Secretary.

PHILADELPHIA, 10 mo. 8th, 1880.

## REPORT OF THE PRESIDENT,

FOR THE YEAR 1879-80.

## To the Board of Managers:

THE year that has just passed in the life of our College leaves us abundant cause of satisfaction, encouraging us in the belief that the characteristic merits of the earlier days of Haverford-general interest in study, diligence, and good order-will continue to be maintained, and promote a fuller growth and higher achievement, keeping pace with the advance in the science of education and the progress of the times. We have every inducement to that watchfulness and activity by which alone what we have gained can be preserved, old evils more thoroughly removed, and farther progress made in all directions. But when we look at the graduates we send forth year by year-each, as we hope, to be the centre of great and beneficent influenceand at the young men of high aims and noble purpose who frequent our halls, I think we may rightly feel a little complacency in the usefulness of our work. Nor is the influence of Haverford likely to decrease. The fruit of the handful of corn sown here by the founders, in faith and prayer, shall shake like Lebanon. A solemn charge is given us, a sacred trust; may we and our successors fulfil it, to the honor of our holy Head!

As a matter of convenience in the distribution of our work, the instruction of the classes in German and Anglo-Saxon last year was given by the President. We have so changed our course as to give German precedence in the order of time to French. The study of the German language is probably the more fruitful of the two in general mental discipline; it is also desirable that students in the Senior year, both in physical science and in philology, should be able to use German text-books. An increasing number of our scholars come to us having already a fair knowledge of French; such can take an advanced course in that language, or exchange the study for another. We hope to maintain a high standard of excellence in our instruction in the modern languages and their literature no less than in the ancient.

The work done in the advanced elective courses in the higher classes, as shown both in the recitation-rooms and in the laboratories and observatory, has been of such quality as to justify the expectations with which those courses were established. At the same time all our experience confirms us in the opinion that the greatest merit of a college is in the breadth and solidity of the foundation which it lays of mental discipline and culture, upon which special attainments in any direction may securely rest. In these days there are great temptations to unduly widening the curriculum and opening the door for showy but superficial attainments, in place of the thorough mastery of a few standard and universally essential studies. We are also confirmed in the belief that we were wise in making the differences between our courses for the degrees in Arts and in Science as few as possible. The time may come when a still further identification of the two will be deemed desirable. We hope always to meet, as far as is practicable, the wishes of judicious parents and the demands of the If any third course of thorough and generous training can be devised, better fitted for young men who intend to pursue a business life, we trust that we shall not be slow

to adopt it. It would not be difficult to make a selection from the studies at present pursued here, for the benefit of such students, on the satisfactory completion of which they would be entitled to receive certificates of proficiency, or perhaps the degree of Bachelor of Letters.

Nor is it impossible that some post-graduate courses could be established here with advantage, especially in the criticism and interpretation of the Old and New Testaments in their original languages, together with biblical antiquities and geography, Christian evidences, the history of the church, the history of Friends, and Christian doctrine. There is no other institution in the country in which these studies could be pursued under influences which we should entirely approve. In astronomy also, in chemistry and physics, and in some philosophical and literary departments, we should need little addition to our teaching force to enable us to give instruction to post-graduate classes. Our first essays in this direction, however, should be cautious and tentative, and wisely proportioned to our ability.

We congratulate ourselves rightly upon our increased numbers; but we have had already to forego one of the advantages of small classes. It was often remarked by my venerated and beloved predecessor, President Gummere, that no students were more benefited by the preparation of exercises for public delivery in the Junior year and at Commencements than the very ones who, on any probable principle of selection, would be left out if only a part of the class were allowed to appear on such occasions. In accordance with the wish of the classes themselves, and what appears to be the general sentiment among our friends who attend our public exercises, we have refrained from fatiguing the audiences, and the number of speakers for the last few years has been limited, by voluntary resignations of the privilege of speaking, to ten or eleven. The

practice in composition and elocution preparatory to these occasions has for a quarter of a century been an important feature in Haverford training; and I but utter the universal voice of the most competent judges when I say that its results have been highly creditable to the diligence and capacity of our students. The public exercises of the past year were fully up to our usual standard of excellence both in matter and delivery; their programmes are appended to this Report.

In accommodating the preliminary conference of teachers and friends of education in the Eastern district, held in Fourth month last, and the deeply interesting General Conference of Friends held early in the Seventh month, our Alumni Hall was put to a use peculiarly suitable for a collegiate building. Both occasions were profitable to our own officers and the members of the Senior class who were present, and the accommodations offered here to our visitors appear to have been acceptable. In proportion as we feel a deep and, let me say, a religious interest in our calling, I believe that those who conduct all our institutions of education, from the infant-school to the college, will feel more and more drawn together in sympathy, as co-workers in the same great cause. The late Conference did much to widen our conception of the magnitude of the work before us all in the field of education, and its vital importance both to our interests as a society and to the general welfare of mankind. A goodly number of teachers of the highest order of excellence, now laboring in this field, are graduates of Haverford,—a fact which should be peculiarly satisfactory to the generous friends who have sustained and cherished this institution. It is becoming every day more and more evident that the work of Education, in all its departments, is a prominent part of the mission entrusted to our society.

The beautiful grounds which surround the College are not only very attractive to visitors, but, as I believe, they exert a wholesome influence on the minds and hearts of the members of our little community. The effect of the improvements made in the past summer, under the direction of a committee of your Board, is very marked and highly satisfactory.

The public lectures last year comprised six by Professor Pliny Earle Chase on the Philosophy of George Fox, two by Professor Allen Clapp Thomas on the Right Uses of a Library, and a course on Physics by Professor Robert Bowne Warder. In addition to these, through the liberality of Dr. Henry C. McCook, of Philadelphia, we were furnished with a very instructive course on Ants and Spiders, illustrated by specimens and colored drawings, and embracing the latest discoveries of this accomplished observer. The lectures were extremely interesting, and we felt that it was a high privilege for our young men to see such an exemplification of the rich fruits of accurate, patient, and enthusiastic observation, in what might appear to a superficial inquirer a comparatively small and insignificant field.

On five of the First-day afternoons in the last year I addressed the students, and on the others I read appropriate selections, except when ministering friends were with us, and two afternoons when the Prefect conducted the reading. We had visits from our friends Allen Jay and James E. Rhoads—each of whom spoke very acceptably—and our revered friend Samuel Bettle addressed the students at two of the First-day collections in the autumn of last year, with great power and eloquence. These addresses, and his earnest and solemn discourses at the meeting-house in the last summer and autumn of his honored and useful life, may be accounted as especial privileges

granted to those who were favored to hear them, both old and young.

Death has spared the immediate members of our College family; but two beloved and exemplary students recently enrolled among us have been called away. George Requa Vail, a former member of the present Senior class, died in California, of malarial fever, on the 27th of Sixth month. The brief warning given him found him prepared, and he fell asleep with full hope in Christ, and with words of prayer on his lips. Clayton William Townsend entered into the higher life on Commencement Day, when his former classmates were receiving their diplomas and going forth to the service which the Master may call for at their hands here below. He had long known a Saviour, whom he found faithful to sustain him in his passage through the dark valley.

I cannot withhold a passing tribute of respect to the two members of your Board whose recent loss we all deplore,—one like a wise and tender father, the other my pupil in the four years of his college course here; both most sagacious, assiduous, and faithful in the discharge of their duties in connection with this College. As I think of them, and others who have gone before, I feel how deeply we who live at the College have been indebted to their wise counsel and kind sympathy, cheering and encouraging us, and upholding us in our efforts to make Haverford a home in which noble lives are nurtured, through faith in Christ and obedience to His commands.

THOMAS CHASE.

## REPORT

OF THE

#### COMMITTEE ON IMPROVEMENTS.

## To the Board of Managers:

THE Committee entrusted with the fund subscribed for the remodelling of Founders' Hall and the purchase of new apparatus, &c., make the following report:—

During the summer of 1878 they accomplished the alterations in Founders' Hall required for the formation of the present Museum and President Chase's class-room on the second floor, of the Draughting-Room on the third floor, and of the Reception-Room (cut off from the old collection room), and the two new class-rooms on the first floor.

In the Gymnasium building all the partitions on the second floor were removed, and the present new Chemical Laboratory, Chemical Class-Room, Lecture-Room, and Apparatus-Room constructed and fitted up, especial care being taken with regard to ventilation, in the Laboratory, by means of a shaft extending through the roof, and in the Lecture-Room by openings in the vertical parts of the platforms under the seats, the vitiated air escaping into the heated flue on the west side. These new rooms are warmed by a portable heater placed in the Gymnasium below. The gas used for work in the Chemical Laboratory, and for lighting it and the other rooms in the Gymnasium Building, as also the Dining-Room and some other parts of Founders'

Hall, and the Library and Alumni Hall, has been provided for by the introduction of a Springfield Gas Machine. Our late associate on the Committee, William G. Rhoads, who took charge of this part of the work and of the plumbing, and who also gave much time to other parts of the alterations, kindly contributed to the fund the amount of \$165, by deducting from his bill the trade discount on the gas machine and all of his profit on the work done by him. The Gymnasium was enlarged by the addition of the old Wash-Room, now superseded by the arrangement in Barclay Hall, and the floor of the Lecture-Room above strengthened by a girder and columns.

New roofs having long been needed for the Gymnasium and Founders' Hall, the Committee assumed the expense of putting a tin roof upon the former building and the western half of the latter, and also of some repairing to the roof of the long porch. Four upright wall-cases and eight horizontal cases were made to order and placed in the Museum, and a dozen convenient drawing-stands procured for the Draughting-Room. During last year the Committee acted upon the suggestion of the Library Committee and paid for the new iron gallery and staircases in the Library, thus making it possible to construct the needed second tier of bookcases now in use.

At various times since our appointment we have paid for apparatus of different kinds asked for by Professors, principally for the Observatory and for the illustration of acoustics; a few maps and other educational appliances have also been purchased.

The funds for all the above expenditures came from friends of the College, as stated in the annexed Report of Receipts and Disbursements. The balance now on hand is \$353.37, which the Committee, if continued for this purpose, expect soon to expend for needed apparatus, &c.

From reports received from the Professors, it is evident that the efficiency of the College has been greatly increased by the improvements and additions made from this Fund, the work in the Chemical Laboratory and Astronomical Observatory having been especially improved thereby; and we trust that those who contributed the means may feel that their benefaction has been well applied.

EDWARD L. SCULL, CHARLES ROBERTS, for the Committee.

PHILADELPHIA, 11 mo. 6th, 1880.

#### REPORT FROM THE TREASURER

OF THE

## HAVERFORD COLLEGE IMPROVEMENT FUND.

1878-1880.

#### RECEIPTS.

Whole amount subscribed for all purposes by friends of the College,

Of the above, \$2,000 were given towards the D					the	40,200	017
sum of \$2,000 was paid over to the College Tre							00
Leaving amount applicable to Improvements, .						6,200	00
Interest received from Trust Company on deposits,	•	•	•	•	•	46	<b>6</b> 0
Total amount at the disposal of the Committee,	•	•				\$6,246	60
SUMMARY OF EXPENI	OITU	RES				-	
Wages (including charge for supervision),				\$807	42		
Materials, including brick, stone, iron, and wood-w	ork,			626	05		
Painting and plastering,				352	23		
Heating Gymnasium Building,				249	55		
Gas machine with connections and fittings in Gymn	asiur	n Bui	ld-				
ing, Alumni Hall and Library, and parts of Fo	unde	rs' H	all,				
including meter fluid to protect against freezing	g, .			929	69		
Roofing Gymnasium Building and part of Founde	rs' H	all, a	lso				
repairs to roof of porch, &c.,				597	26		
Philosophical apparatus, maps, &c.,				622	23		
Astronomical apparatus and repairs,				661	50		
Museum cases, chairs, drawing-desks, &c.,				872	<b>30</b>		
Iron Gallery in the Library,				175	00		
10 mo. 25, 1880, balance in bank (at two per cent	ine		• •			<b>\$</b> 5,893	23
Improvement Fund,	. 11114	erest)	w	credit	01	4050	
improvement runu, , , , , ,	•	•	•	•	•	<b>\$</b> 353	3i
PHILADELPHIA, 10 mo. 25th, 1880.				E	. &	O. E.	

EDWARD L. SCULL,

Treasurer of Improvement Fund.

. \$8,200 00

# ORDER OF THE PUBLIC EXERCISES OF THE JUNIOR CLASS.

FOURTH MONTH 14th, 1880.

- An English Oration, "The Moral Teaching of Æschylus."
   WALTER FERRIS PRICE, Philadelphia, Pa.
- 2. An English Oration, "The Influence of Phoenicia."

  WILLIAM ALLEN BLAIR, High Point, N. C.
- 3. An English Oration, "The Mound Builders."

  JOSEPH HORACE COOK,\* Philadelphia, Pa.
- 4. An English Oration, "The Thirty Years War."

  ISAAC SUTTON, Providence, R. I.
- 5. An English Oration, "The Church of Scotland."

  WALTER BRINTON,\* West Chester, Pa.
- 6. An English Oration, "The Public Conscience."

  ISAAC THORNE JOHNSON, Wilmington, O.
- 7. An English Oration, "The Apostle Paul."

  LEVI TALBOTT EDWARDS,\* Spiceland, Ind.
- An English Oration, "An Unsolved Problem in American Politics."
   JOHN CLARK WINSTON, Richmond, Va.
- 9. An English Oration, "The Rosicrucians."

  WILLIAM HENRY COLLINS,\* Poughkeepsie, N. Y.
- An English Oration, "Church and State."
   JESSE HOLLOWELL MOORE, Goldsboro', N. C.
- An English Oration, "The Statesmanship of Milton."
   DAVIS HOOPES FORSYTHE,\* West Grove, Pa.
   \*Resigned the privilege of speaking.

- 12. An English Oration, "The Invincible Armada."

  EDWARD YARNALL HARTSHORNE, Philadelphia, Pa.
- 13. An English Oration, "The Lost Arts."

  WALTER PENN SHIPLEY,\* Germantown, Pa.
- An English Oration, "Before and after Platæa."
   A. MOBRIS CAREY, Baltimore, Md.
- 15. An English Oration, "The Jews Socially and Politically."

  ALBANUS LONGSTRETH SMITH, \* Philadelphia, Pa.
- An English Oration, "American Literature."
   WILLIAM ENOCH PAGE, Peabody, Mass.
- 17. An English Oration, "Cardinal Wolsey."

  THOMAS NEWBY WINSLOW,\* Belvidere, N. C.
- 18. An English Oration, "Bolivar."

  EDWIN ORSON KENNARD, Knightstown, Ind.

\* Resigned the privilege of speaking.

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## ORDER OF EXERCISES AT COMMENCEMENT.

SIXTH MONTH 30TH, 1880.

- 1. Salutatory, and "The Fatherland." \*

  CHARLES FREDERIC BREDE, Salem, Iowa.
- 2. An English Oration, "The Imagination in Mathematics."

  WILLIAM FRANCIS PERRY, Wakefield, R. I.
- 3. An English Oration, "Kenrneyism."

  ALEXANDER PETERSON CORBIT, Odessa, Del.
- 4. An English Oration, "Why we look at the Stars."

  WILLIAM BISHOP, Columbus, N. J.
- An English Oration, "Independence in Politics."
   EDWARD MEGARGE JONES, Germantown, Pa.
- 6. An English Oration, "Domestic Life of the Romans."

  CHARLES EDWARD GAUSE, JR., Plainfield, N. J.
- 7. An English Oration, "Whence and How?"

  JAMES LEWIS LYNCH, Longwood, Mo.
- 8. An English Oration, "Man the Elector."

  JOSIAH PENNINGTON EDWARDS, Spiceland, Ind.
- 9. An English Oration, "Stability of the State."

  SAMUEL MASON, Jr., Germantown, Pa.
- An English Oration, "Prohibition and Liberty."
   CHARLES ELWOOD COX, Lawrence, Kansas.
- 11. An Euglish Oration, "The Quincy Schools," \* and Valedictory.

  JOSEPH RHOADS, JR., Wilmington, Del.

Address to the Graduating Class, By Professor Isaac Sharpless.

\* Excused from speaking the Oration.

## DEGREES

## CONFERRED AT COMMENCEMENT, 1880.

BACHELORS OF ART.

CHARLES FREDERIC BREDE,
CHARLES ELWOOD COX,
JOSIAH PENNINGTON EDWARDS,
JAMES LEWIS LYNCH,
SAMUEL MASON, JR.,
WILLIAM FRANCIS PERRY,
JOSEPH RHOADS, JR.

BACHELORS OF SCIENCE.

WILLIAM BISHOP,
ALEXANDER PETERSON CORBIT,
CHARLES EDWARD GAUSE, Jr.,
EDWARD MEGARGE JONES.

DOCTOR OF LETTERS.

THOMAS CHASE.

## ORDER OF RECITATIONS.

#### FIRST HALF-YEAR, 1879-80.

		SECOND	-DAY.		
	9.30-10.30		11-12		3-4
SENIORS	Latin. Ex. Physics.		Greek. Mechanics.		German,
JUNIORS	Anal. Geom.				Chem. Anal.
SOPHOMORES	Ethics.	***************************************	Nat. Philos.		Desc. Geom. Latin.
FRESHMEN		***************************************	Zoologu.	***************************************	Chem. Anal.
	220111	***************************************	Nat. Philos.	***************************************	I mys. Cittig.
		THIRD	DAY.		
	9-10	10-11	11-12	2-3	3-4
SENIORS	History.			Ex. Physics.	
JUNIORS	Greek.		Anal. Geom.	122. 1 hydria.	Rhetoric
- 01/10210	Chem. Anal.				
SOPHOMORES			History.	***************************************	Trigonom.
FRESHMEN	Latin.	Geometry.			
		FOURTH			
	9-10	10-11	11-12	2-3	3-4
SENTANA		Greek.	French.		
SENIORS	Astronomy. Nat. Philos.	Greek.	r rencu.	***************************************	Psychology.
JUNIORS	Latin. Nat. Philos.	French.	French.	Chem. Anal.	Greek.
SOPHOMORES	Greek.		Nat. Philos.	Zoology.	Latin.
H=	Nat. Philos.	French.			
FRESHMEN	Phys. Geog.	***************************************	Greek. Nat. Philos.		E History.
***************************************		FIFTH-	) A V		
			9.30-10.30	9_9	8-4
	8 80-0 30				
PENTODE	8.80-9.30	9–10		2-0	
SENIORS		9–10 Greek Test.			German.
	Eng. Bible.	Greek Test.		Mechanics.	German. Nat. Philos.
JUNIORS	Eng. Bible. Eng. Bible.	Greek Test. Greek Test.		Mechanics. Latin.	German. Nat. Philos. Nat. Philos.
JUNIORS SOPHOMORES	Eng. Bible. Eng. Bible. Greek Test.	Greek Test. Greek Test.	Drawing. Mech. Draw.	Mechanics.	German. Nat. Philos. Nat. Philos. Greek.
JUNIORS	Eng. Bible. Eng. Bible. Greek Test.	Greek Test. Greek Test.	Drawing. Mech. Draw.	Mechanics. Latin.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos.
JUNIORS SOPHOMORES	Eng. Bible. Eng. Bible. Greek Test.	Greek Test.	Drawing.  Mech. Draw. Drawing.	Mechanics. Latin.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos.
JUNIORS SOPHOMORES	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible.	Greek Test. Greek Test.	Drawing.  Mech. Draw. Drawing.	Mechanics. Latin	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.
JUNIORS SOPHOMORES FRESHMEN	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible.	Greek Test. Greek Test. SIXTH-I	Drawing, Mech. Draw. Drawing.	Mechanics. Latin.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.
JUNIORS SOPHOMORES FRESHMEN	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible. 9-10 French.	Greek Test. Greek Test. SIXTH-I	Drawing, Mech. Draw. Drawing.	Mechanics. Latin.  2-3 Psychology.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry. 3-4 Philology.
JUNIORS SOPHOMORES FRESHMEN SENIORS	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible. 9-10 French.	Greek Test. Greek Test. SIXTH-I 10-11 Butler. Anal. Geom.	Drawing. Mech. Draw. Drawing.  OAV. 11-12 French.	Mechanics. Latin.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.
JUNIORS SOPHOMORES FRESHMEN	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible. French. French. Nat. Philos.	Greek Test. Greek Test. SIXTH-I	Drawing. Mech. Draw. Drawing.  DAY.  11-12  French. Latin.	Mechanics. Latin.  2-3 Psychology. Chem. Anal.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.  3-4 Philology. Desc. Geom.
JUNIORS SOPHOMORES FRESHMEN SENIORS JUNIORS SOPHOMORES	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible.  9-10 French. French. Nat. Philos. Mech. Draw.	Greek Test. Greek Test.  SIXTH-I 10-11 Butler. Anal. Geom.	Drawing. Mech. Draw. Drawing. Drawing.  11–12  French. Latin. French.	Mechanics. Latin.  2-3 Psychology.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry. 3-4 Philology.
JUNIORS SOPHOMORES FRESHMEN SENIORS	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible.  9-10 French. French. Nat. Philos. Mech. Draw.	Greek Test. Greek Test. SIXTH-I 10-11 Butler. Anal. Geom.	Drawing. Mech. Draw. Drawing. Drawing.  11–12  French. Latin. French.	Mechanics. Latin.  2-3 Psychology. Chem. Anal.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.  3-4 Philology. Desc. Geom. Greek.
JUNIORS SOPHOMORES FRESHMEN SENIORS JUNIORS SOPHOMORES	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible. French. French. Nat. Philos. Mach. Draw. Greek.	Greek Test. Greek Test.  SIXTH-I 10-11 Butler. Anal. Geom.	Drawing. Mech. Draw. Drawing.  11-12  French. Latin. French. Geometry.	Mechanics. Latin.  2-3 Psychology. Chem. Anal.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.  3-4 Philology. Desc. Geom. Greek.
JUNIORS SOPHOMORES FRESHMEN SENIORS JUNIORS SOPHOMORES FRESHMEN	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible. French. French. Nat. Philos. Mat. Philos. Nat. Philos. 8.35-9.30	Greek Test. Greek Test.  SIXTH-10-11 Butler. Anal. Geom.	Drawing. Mech. Draw. Drawing.  11-12  French. Latin. French. Geometry.	Mechanics. Latin.  2-3 Psychology. Chem. Anal.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.  3-4 Philology. Desc. Geom. Greek.
JUNIORS SOPHOMORES  FRESHMEN  SENIORS JUNIORS SOPHOMORES  FRESHMEN	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible. Eng. Bible.  9-10 French. Prench. Nat. Philos. Mcch. Draw. Greek. Nat. Philos.  8.35-9.30 Astronomy.	SIXTH-10-11 Butler, Anal. Geom.  SEVENTE 9.30-10.25 French.	Drawing. Mech. Draw. Drawing.  DAY.  11-12  French. Latin. French. Geometry.	Mechanics. Latin.  2-3 Psychology. Chem. Anal.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.  3-4 Philology. Desc. Geom. Greek.
SENIORS SENIORS SENIORS SOPHOMORES FRESHMEN	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible.  9-10 French. French. Nat. Philos. Mech. Draw. Greek. Nat. Philos.  8.35-9.30 Astronomy. Rhetoric.	SIXTH-I 10-11 Butler. Anal. Geom. 930-10.25 French.	Drawing. Mech. Draw. Drawing.  DAY.  11-12  French. Geometry.  1-DAY.  10.25-11.20  History. Geology.	Mechanics. Latin.  2-3 Psychology. Chem. Anal.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.  3-4 Philology. Desc. Geom. Greek.
JUNIORS SOPHOMORES  SENIORS JUNIORS FRESHMEN  SENIORS JUNIORS JUNIORS JUNIORS JUNIORS JUNIORS JUNIORS JUNIORS JUNIORS JUNIORS	Eng. Bible. Eng. Bible. Greek Test. Eng. Bible. Eng. Bible.  9-10 French. French. Nat. Philos. Mech. Draw. Greek. Nat. Philos.  8.35-9.30 Astronomy. Rhetoric.	SIXTH-I 10-11 Butler, Anal. Geom.  SEVENT: 9.30-10.25 French.	Drawing. Mech. Draw. Drawing.  DAY.  11-12  French. Geometry.  1-DAY.  10.25-11.20  History. Geology.	Mechanics. Latin.  2-3 Psychology. Chem. Anal.	German. Nat. Philos. Nat. Philos. Greek. Nat. Philos. Geometry.  3-4 Philology. Desc. Geom. Greek.

N. B.—Where the Scientific Course differs from the Classical, the subjects of the Scientific Department are printed in italics.

## ORDER OF RECITATIONS.

### SECOND HALF-YEAR, 1880.

	8	E	C	0	N	D-D	Α	٧.
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	9.35-10.35	11-12		2-3	3-4
SENIORS	Anatomy.	Chemical Anal. Nat. Philos.		Psychology.	Astronomy.
JUNIORS	Logic.	Latin.			Greek. Mechanics.
SOPHOMORES	History.	Nat. Philos. Latin.		••••••	Ethics.
FRESHMEN	Algebra.	Nat. Philos. Zoology.		•••••	Letin.
		THIRD-DA	٧.		
	9-10	10–11	11-12	2–3	8-4
SENIORS	Anatomy.		German.	Latin.	Chem. Anal. French.
JUNIORS	Latin.	German. Geology.	Calculus. Ethics.	French.	French. Chemistry.
	Algebra.	creology.		2.1 cncm.	Greek. Chemistry.
		FOURTH-D	AY.		
	9–10	10-11	11-12		3-4
SENIORS	Latiu.	Mechanics. Greek.	German.		Astronomy.
JUNIORS	Polit. Science.		Astronomy. Mechanics.	••••••	
SOPHOMORES	Trigonometry.		Greek. Astronomy.	•••••	
FRESHMEN	Latin.	•••••		••••••	Eng. Lit.
		FIFTH.DA	 \ Y.		
	8.30-9.30	9–10	9.30-10.30	2-8	3-4
SENIORS	••••••	Greek Test. Eng. Bible.		Greek.	History.
JUNIORS				••••••	German.
SOPHOMORES	Greek Test.  Eng. Bible.		Drawing. Mech. Draw.	Mech. Draw.	Greek.
FRESHMEN	Eng. Bible.		Drawing.	Mecs. Draw.	Algebra.
		SIXTH-D		• • • • • • • • • • • • • • • • • • • •	-
	9-10	10-11			
SENIORS		French.	11–12 Barclay's Ap.	2-3 Psychology.	3-4 French.
JUNIORS	Astronomy.	French.	Logic.	Mechanics.	
SOPHOMORES	Chemistry.		Trigonometry.		French. Chemistry. Astronomy.
FRESHMEN	Greek. Chemistry.		Latin.	••••••	
		SEVENTH-	DAY.		
	8.35-9.30	9.30-10.25	10.25-11.20		
SENIORS	Calculus.	Anglo-Saxon. French.	History, etc. Logic.		
SOPHOMORES FRESHMEN		French. Algebra.	Trigonometry.		

## ORDER OF RECITATIONS.

### FIRST HALF-YEAR, 1880-81.

9.85-10.35			SECOND	P-DAY.		
JUNIORS		9.35-10.35		11-12	2-8	3-4
SOPHOMORES				Latin.		
THIRD-DAY.   10-11   11-12   2-3   3-4	SOPHOMORES	Ethics.		Greek.		Trigonom., or
SENIORS	${\tt FRESHMEN}$	Latin.				Zoology.
SENIORS						
SENIORS			THIRD-	DAY.		
SENIORS		9-10			2-3	3-4
JUNIORS	SENIORS	Butler.			•	
SOPHOMORES	JUNIORS	Logic.	Hebrew.	Latin.	Greek.	Anal, Chem.
FOURTH-DAY    SENIORS	SOPHOMORES	Trigonom., or		(}reek.	•••••	
FOURTH-DAY    3-10   10-11   11-12   2-3   3-4	EDECHMEN			Physics.		
SENIORS	FRESHMEN	Latin.	***************************************	Zoology.	•••••	Geometry.
SENIORS			FOURTH	I-DAY.		
SENIORS		9–10			2-3	3-4
Mechanics   Mechanics   Rhetoric   German   Nat. Philos   Nat. Phil	SENIORS					
SOPHOMORES			Mechanics.	r ny arca.	111ato1j.	***************************************
FRESHMEN   Latin   Geometry   Greek   German   Nat. Philos		Anal. Geometry.	•••••			
SENIORS	SOPHOMORES	History.	***************************************		••••••	
SENIORS	FRESHMEN	Latin.	•••••		Greek.	
SENIORS						
SENIORS						
SINTH-DAY.   Seminary   Geometry.   Sinth-Day.   Sinth-				9.80-10.30		
SOPHOMORES   Greek Test.   Bible   Drawing   Mech. Draw.   Nat. Philos.   Greek   Nat. Philos.   Greek   Nat. Philos.	SENIORS		Greek Test.			
PRESHMEN   Eng. Bible   Bible   Drawing   Greek   Nat. Philos	JUNIORS					
SIXTH-DAY.	301 HUMUKES		•••••		Mecn. Diau.	Mat. I lines.
SIXTH-DAY.   9-10   10-11   11-12   2-8   3-4     SENIORS	FRESHMEN		•••••	Drawing.	•••••	
SENIORS						
SENIORS			SIXTH-	DAY.		
DUNIORS		9–10	10-11	11-12	2-8	3-4
SOPHOMORES	SENIORS	French.		History.	Astronomy.	Butler.
SOPHOMORES	JUNIORS	German.				Anal. Chem.
SEVENTH-DAY.   Seventh-DAY.	SOPHOMORES	German.	Latin.	Nat. Philos.		
8.35-9.30   9.30-10.25   10.25-11.20	FRESHMEN	Geometry.	•••••	Greek.		Rhetoric, or
8.35-9.30   9.30-10.25   10.25-11.20						
SENIORS Astronomy. Geology. French. German. Greek. SOPHOMORES		•				
JUNIORS Geology. Greek.  Desc. Geometry.  Trigonom., or Ethics.  Surveying.  FRESHMEN Rhetoric, or Latin.						
SOPHOMORES	SENIORS	Astronomy. Geology.		Greek.		
FRESHMEN Rhetoric, or Latin.	SOPHOMORES	•••••		Desc. Geometry. Ethics.		
	FRESHMEN					

### SUMMARY OF ACCOUNT OF

## TREASURER OF THE CORPORATION.

#### FOR YEAR 1879-80.

				REC	EIP	TS.							
Balance in hands	of Tres	en rei	- 8th	mo. :	29th.	1879.						<b>\$</b> 19	77
							•	•	•	•	•	5,124	
Income from Libr	are Fur	٦ď		·	•	•	:	•	•	•	•	596	
Income from Gene Income from Libr Income from I. V.	Willia	mson	Fund	1.	i	:		-	Ċ	•	:	598	72
Income from John	Farnu	m M	emori	al Fu	ınd.	·		-	:	•	·	1,355	
Bequest of John !	M. Whit	tall.	•		•			·			•	10,000	
Bequest of Joseph	W. Ta	vlor.	M.D.									5,000	
Loans and transfe	rs	• . ′		٠.								4,712	
Farm account (rea	nt for tw	velve	mont	hs),								1,200	
Lawn Fund, subse	cription	s fror	n Alu	mni,						\$200	00	-,	
Income from I. V Income from John Bequest of John ! Bequest of Joseph Loans and transfe Farm account (rei Lawn Fund, subsident Subsident Fund, subsident Fund, sund	ries rece	eived	at Co	llege	by l	Prefec	ŧ,			26	00		
Lawn Fund, sund Donations, Investments matu Rent of Board Wa Subscriptions tows Subscriptions tows Incidentals and su Board and tuition Stationery, Rent of dwelling Fuel and lights (c					-							226	00
Donations, .	• . • .	•	. •	•								6,250	00
Investments matu	red and	paid	in,				•					6,000	00
Rent of Board Wa	ılk,	•	_•									2	
Subscriptions towa	ard Bui	lding	rund	ι, .	•	•	•	•				<b>50</b> 0	
Subscriptions towa	ard End	lowni	ent F	und,	•	•						300	00
Incidentals and su	indries,	•	•	•	•	•	•	•	•			1,328 17,729	58
Board and tuition	, .	•	•	•	•	•	•	•	•	•		17,729	16
Stationery, .	:	•	•	•	•	•	•	•	٠	•	•	2,133	
Fuel and lights (c	nouse,	. n	·	•	•	•	•	•	•	•	•	405	
Fuel and lights (c	081 801d	to P	roiess	ors),	•	•	•	•	•	•	•	212	98
												\$63,694	29
			1	PAY	MEN	ITS.							
Malanian													
Salaries								_				\$10.376	75
Salaries, Repairs and impro	 ovement	ts. to	reside	ence	of Pi	of. P.	Ė.	Chase		\$1.218	10	\$10,376	75
Repairs and impro	ovement	to	reside	nce o	of Pr	es. Cl	ከደፍ			237	16	\$10,376	75
Repairs and impro	ovement	to	reside	nce o	of Pr	es. Cl	ከደፍ			237	16	\$10,376	75
Repairs and impro	ovement	to	reside	nce o	of Pr	es. Cl	ከደፍ			237	16	<b>\$</b> 10,376	75
Repairs and impro		to to to	reside breas sundr	ence of dries,	of Pr lam s	res. Cl and w	nase all,			\$1,218 237 263 2,668	16		
Repairs and impro	Creasure	to to to er of	reside breas sundr Libra	nce of dries,	of Pr lam s	res. Cl and w	nase all,			237	16	\$10,376 4,387 596	44
Repairs and impro	Preasure	to to to er of	reside breas sundr Libra	nce of dries, ries,	of Pr lam s	res. Cl and w	nase all,			237	16	4,387	44 00
Repairs and impro	Preasure	to to to er of	reside breas sundr Libra	nce of dries, ries,	of Pr lam s	res. Cl and w	nase all,			237	16	4,387 596 15,000 9,937	44 00 00 50
Repairs and impro	Preasure	to to to er of	reside breas sundr Libra	nce of dries, ries,	of Pr lam s	res. Cl and w	nase all,			237	16	4,387 596 15,000	44 00 00 50
Repairs and impro	Preasure	to to to er of	reside breas sundr Libra	nce of dries, ries,	of Pr lam s	res. Cl and w	nase all,			237	16	4,387 596 15,000 9,937	44 00 00 50 44
Repairs and impro	Preasure	to to to er of	reside breas sundr Libra	nce of dries, ries,	of Pr lam s	res. Cl and w	nase all,			237	16	4,387 596 15,000 9,937 9,152 504 1,983	44 00 00 50 44 70 04
Repairs and impro	Preasure	to to to er of	reside breas sundr Libra	nce of dries, ries,	of Pr lam s	res. Cl and w	nase all,			237	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322	44 00 00 50 44 70 04 06
Repairs and impro	Preasure	to to to er of	reside breas sundr Libra	nce of dries, ries,	of Pr lam s	res. Cl and w	nase all,			237	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862	44 00 50 44 70 06 23
Repairs and impro	Preasure	to to to er of	reside breas sundr Libra	nce of dries, ries,	of Pr lam s	res. Cl and w	nase all,			237	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226	44 00 50 44 70 06 23 99
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account	Freasure ment of rs,	to to to er of beque	reside breas sundr Libra uests,	ence of dries,	of Pr lam a	res. Cl	hase all,			237	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343	44 00 50 44 70 04 06 23 99 10
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account	Freasure ment of rs,	to to to er of beque	reside breas sundr Libra uests,	ence of dries,	of Pr lam a	res. Cl	hase all,			237	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343 398	44 00 00 50 44 70 04 06 23 99 10 82
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account	Freasure ment of rs,	to to to er of beque	reside breas sundr Libra uests,	ence of dries,	of Pr lam a	res. Cl	hase all,			237	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343 3,146	44 00 00 50 44 70 06 23 99 10 82 51
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account	Freasure ment of rs,	to to to er of beque	reside breas sundr Libra uests,	ence of dries,	of Pr lam a	res. Cl	hase all,			237	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343 398 2,146 1,431	44 00 00 50 44 70 06 23 99 10 82 51 94
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account	Freasure ment of rs,	to to to er of beque	reside breas sundr Libra uests,	ence of dries,	of Pr lam a	res. Cl	hase all,			237	16 36 82	4,387 5960 9,937 9,152 504 1,983 322 2,862 2,862 2,146 1,431 1,431 132	44 00 00 50 44 70 06 23 99 10 82 51 94 13
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery accountawn (including Incidentals and su Interest, Laboratory,	Creasure ment of rs,	to to to to er of beque	reside breas sundr Libra tests,	ry F	of Prelam s	res. Cland w	hase all,			237 263 2,668	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343 32,146 1,431 132 2472	44 00 00 50 44 70 06 23 99 10 82 51 94 13 39
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account Lawn (including racidentals and su Interest, Laboratory, Taxes, Printing and office	reasurement of res,	to to to to er of beque	reside breas sundr Libra uests,	ry F	of Pr lam s und,	res. Cland w	hase all,	,		237 263 2,668	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343 398 2,146 1,431 132 472 123	44 00 00 50 44 70 04 06 23 99 10 82 51 94 13 39 28
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account Lawn (including racidentals and su Interest, Laboratory, Taxes, Printing and office	reasurement of res,	to to to to er of beque	reside breas sundr Libra uests,	ry F	of Pr lam s und,	res. Cland w	hase all,	,		237 263 2,668	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343 32,146 1,431 132 2472	44 00 00 50 44 70 04 06 23 99 10 82 51 94 13 39 28
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account Lawn (including racidentals and su Interest, Laboratory, Taxes, Printing and office	reasurement of res,	to to to to er of beque	reside breas sundr Libra uests,	ry F	of Pr lam s und,	res. Cland w	hase all,	,		237 268 2,668 	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343 398 2,146 1,431 132 472 123	44 00 00 50 44 70 04 06 23 99 10 82 51 94 13 39 28
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account Lawn (including racidentals and su Interest, Laboratory, Taxes, Printing and office	reasurement of res,	to to to to er of beque	reside breas sundr Libra uests,	ry F	of Pr lam s und,	res. Cland w	hase all,	,		237 263 2,668	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 226 1,343 398 2,146 1,431 132 472 123 2,262	44 00 00 50 44 70 04 23 99 10 82 51 39 47
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery account Lawn (including racidentals and su Interest, Laboratory, Taxes, Printing and office	reasurement of res,	to to to to er of beque	reside breas sundr Libra uests,	ry F	of Pr lam s und,	res. Cland w	hase all,	,		237 268 2,668 	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 2,862 226 1,343 398 2,146 1,431 132 472 123	44 00 00 50 44 70 06 23 99 10 82 51 94 39 28 47
Charles Roberts, Temporary invest Loans and transfer Provisions, Family expenses, Fuel and lights, Garden, Wages, Farm, Stationery accountawn (including Incidentals and su Interest, Laboratory,	reasurement of res,	to to to to er of beque	reside breas sundr Libra uests,	ry F	of Pr lam s und,	res. Cland w	hase all,	,		237 268 2,668 	16 36 82	4,387 596 15,000 9,937 9,152 504 1,983 322 226 1,343 398 2,146 1,431 132 472 123 2,262	44 00 00 50 44 70 04 06 23 99 10 82 51 94 13 39 28 47

#### REPORT

OF

#### TREASURER OF HAVERFORD COLLEGE LIBRARY FUND.

#### FOR THE YEAR ENDING 10th MO. 7th, 1880.

#### RECEIPTS. Balance, 10th mo, 10th, 1879, . \$180 48 Treasurer of Corporation, 596 00 Donations for Historical Society of Pennsylvania Publications for 20 years, 25 00 2 80 804 28 PAYMENTS. Books, \$288 57 Binding, . 66 55 Periodicals, 118 50 Publications Historical Society of Pennsylvania, 20 years, . Blank books and cards for catalogues, . . . 26 95 Expressage and postage at the College, 4 35 529 92 Balance, 10th mo. 7th, 1880, .

## STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third day in the Tenth Month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth day in the Third, Sixth, Ninth, and Twelfth Months, at 3 o'clock P. M.

## LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

#### FORM OF A LEGACY.

I give and bequeath (if personal)-	-devise (if real) to "The Corpora-
tion of Haverford College," the sum	of
	(or if real estate,
describe it)	to have
and to hold, to them, their successors	and assigns, to the use of the said
"The Corporation of Haverford Colle	ge," their successors and assigns.

## CIRCULAR.

#### HAVERFORD COLLEGE

is situated near HAVERFORD COLLEGE STATION AND POST OFFICE (the first station east from Bryn Mawr), on the Pennsylvania Railroad, about nine miles west from Philadelphia.

Its courses of study are liberal and judicious, designed for thorough and generous training. It has won a very high rank among American Colleges for the successful diligence of its Students and the fidelity and skill of its Professors. Its location is remarkably healthy, its grounds extensive and attractive, and it provides for its members a pleasant and comfortable home. Endeavoring to promote sound moral, intellectual, and physical culture, it aims to be a Family of Christian scholars.

The Gymnasium will be refitted early in 1881 with the apparatus of Dr. D. A. Sargent, Assistant Professor of Physical Training, and Director of the Hemenway Gymnasium, Harvard University. A competent instructor, a graduate of Bowdoin College in Arts and Medicine, and a pupil of Dr. Sargent, will have direction of the Gymnasium, and give systematic instruction, based upon careful personal examination, to each student desiring it.

Students living in Philadelphia or its neighborhood may visit their homes every week.

There are Three Terms in the year, commencing in 1881, First Month (Jan.) 3d, Fourth Month (April) 23d, and Ninth Month (September) 14th, respectively. The next academical year will open Ninth Month 14th, 1881.

The price of Tuition and Board is \$425.00 per annum, payable to the Prefect one-half at the beginning, and one-half at the middle, of the College year. This charge includes rooms, fuel, lights, and all necessary furniture and attendance. Washing is charged at the rate of 75 cents per dozen. All articles of clothing, including overcoats, as well as towels, napkins, umbrellas, etc., must be marked legibly with the student's name in full. Text-books and stationery can be purchased at the College.

There are offices of the American Union and Western Union Telegraph Companies at Haverford College Station, and an office of the Adams Express Company. At the Bryn Mawr Post-office there is a Money Order office.

#### APPLICATIONS FOR ADMISSION

should be made to the President, Thomas Chase, LL.D., Haverford College P. O., Montgomery Co., Pa. Each candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must offer also certificates of dismission in good standing. Candidates will present themselves at the College, for examination, at 2 o'clock P.M., on Commencement Day, Sixth Month 22d, 1881.

The College is open for the admission of the sons of Friends, and of others who are willing that their children should be educated in conformity with our Christian principles.

#### REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

In Classics, a familiar knowledge of the paradigms and of the leading rules of Syntax in Latin and Greek Grammar, to be tested, in part, by uriting sentences in Latin and Greek; acquaintance with Prosody, to be proved by scanning verses from Virgil; and ability to give, after one hour's study, with the aid of a Lexicon, a literal translation of a passage not before read by the candidate, both in Latin and Greek prose or verse, and to apply the proper rules of Syntax to the constructions in that passage.

Candidates are recommended to read the books of a preparatory course in Greek and Latin which are ordinarily prescribed in the requisitions for admission to American colleges; but this course may be varied at the discretion of teachers, provided the candidate is found to possess sufficient knowledge of both languages to enable him to pursue, with facility and advantage, the studies of the Freshman Year.

Those who enter for the Scientific Course are excused from the examination in Greek, and examined in the elements of Physics and Botany.

In Mathematics, a good knowledge of Arithmetic, including the Metric System, and of Algebra, including Quadratic Equations, is required. It is very desirable that candidates should have some introductory knowledge of Geometry, gained from the first four books of Sharpless's Geometry or their equivalents.

Candidates must be familiar with English Grammar, Spelling, Civil Geography, Physical Geography, the elements of Greek and Roman History, and the History of the United States. Acquaintance with the elements of the History of England is also desirable.

Satisfactory examination-papers, written under proper safeguards at first-class schools, and sent to us by the teachers properly attested, will be accepted so far as they cover the same ground as our own requisitions.

Students may be admitted to advanced classes, if found fully prepared for admission to the *Freshman Class*, and also, on further and special examination, in all the regular studies of the Course up to the point at which they enter.

Several scholarships, varying in value from \$50 to \$225 per annum, are offered by the Managers to students standing in need of pecuniary assistance. Applications for such aid must be made to the President; and candidates for scholarships must be thoroughly prepared in all the studies required for entrance.

The following is the Course of Study for the degree of Bachelor of Arts:—

#### FRESHMAN YEAR.

New Testament, Sharpless's Geometry, Algebra, Xenophon and Herodotus, Homer, Review of Greek Grammar, Exercises in writing Greek, Livy, Horace, Review of Latin Grammar, Exercises in writing Latin, History, English Literature, Rhetoric, English Composition, Hygiene, Tenney's Zoology, Wood's or Gray's Botany, Drawing.

#### SOPHOMORE YEAR.

The Bible, Greek Testament, Trigonometry, and Surveying with Field Practice, Navigation, Physics, The Prometheus of Æschylus, Plato's Apology and Crito, Exercises in writing Greek, Horace, the Germania and Agricola of Tacitus, Exercises in writing Latin, History, Dymond's Essays on Morality, Paley's Evidences of Christianity, Themes, Eliot and Storer's Chemistry, Mineralogy, Drawing.

#### JUNIOR YEAR.

Greek Testament, Analytical Geometry, Differential and Integral Calculus (*elective*), Astronomy (with practice in the Observatory), Thucydides, The Antigone of Sophocles, Exercises in writing Greek, Cicero's Tusculan Disputations and Somnium Scipionis, The Captives

of Plautus, Exercises in writing Latin, German, French, Whately's Rhetoric, Whately's Logic, Mental Philosophy, Political Economy, International and Constitutional Law, Themes, Geology, Mechanical Drawing (optional), Hebrew (optional).

#### SENIOR YEAR.

#### REQUIRED STUDIES.

Greek Testament, Juvenal, Cicero's and Pliny's Letters, The Ancient Pronunciation of Latin, Latin Composition, History of Ancient Literatures, Keary's Dawn of History, Anglo-Saxon, Philological Study of the English Language, Butler's Analogy, Barclay's Apology, Gurney's Observations, Arnold's Lectures on Modern History (or an equivalent), Guizot's History of Civilization in Europe, Seebohm's Protestant Revolution, Hallam's Constitutional History, Anatomy and Physiology, Themes, Forensics.

#### ELECTIVE STUDIES.

Analytical Mechanics, Differential and Integral Calculus, Advanced Physics, Astronomy with Observatory Practice, Demosthenes on the Crown, Greek Lyric Poets, Advanced Classical Philology, Writing Greek, Advanced German, Advanced French, Advanced Psychology, Drawing, Hebrew.

The Course of Study for the degree of Bachelor of Science is as follows:—

#### FRESHMAN YEAR.

The same as in the Classical Course, with the exception of Greek, and with the addition of Physics and Chemistry.

#### SOPHOMORE YEAR.

The same as in the Classical Course, but omitting Latin and Greek, Elementary Physics and Chemistry, and adding German, Advanced Physics, Advanced Chemistry, Astronomy, Natural History, and Mechanical Drawing.

#### JUNIOR YEAR.

The Bible, Analytical Geometry, Calculus, Elementary Greek (elective), Latin (elective), German, French, Rhetoric, Themes, Logic, Mental

Philosophy, International and Constitutional Law, Advanced Chemistry, Geology, Acoustics, Optics, Heat and its Applications, Descriptive Geometry, Drawing.

#### SENIOR YEAR.

#### REQUIRED STUDIES.

The Bible, Mechanics, Astronomy with Observatory Practice, French, Anatomy and Physiology, Hygiene, Mental Philosophy, Butler's Analogy, Gurney's Observations, Barclay's Apology, Arnold's Lectures on Modern History, Guizot's History of Civilization in Europe, Seebohm's Protestant Revolution, Hallam's Constitutional History, History of Ancient Literatures, Keary's Dawn of History, the Philological Study of English, Anglo-Saxon, Themes, Forensics.

#### ELECTIVE STUDIES.

Higher Mathematics, Higher Physics, Engineering, Hebrew, Greek, German, Psychology, Laboratory Practice, Drawing.

For FURTHER INFORMATION, address Professor Allen C. THOMAS, Prefect, HAVERFORD COLLEGE P. O., Montgomery County, Pa.

## REPORT.

## HAVERFORD COLLEGE.

1881.

## REPORT

## THE MANAGERS

## HAVERFORD COLLEGE.

TENTH MONTH 10th, 1881.

PHILADELPHIA:

PRESS OF HENRY B. ASHMEAD,

NOS. 1102 AND 1104 SANSOM STREET.

1881.



SECRETARY.

EDWARD BETTLE, JR.

#### TREASURER.

DAVID SCULL, JR.,

No. 125 Market Street, Philadelphia.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
HUGH D. VAIL,
JAMES CAREY THOMAS,
BENJAMIN V. MARSH,
PHILIP C. GARRETT,
JAMES E. RHOADS,
RICHARD CADBURY,
DAVID SCULL, JR.,
RICHARD WOOD,
ROBERT B. HAINES,
FRANCIS T. KING,

WILLIAM R. THURSTON,
GEORGE HOWLAND, JR.,
CHARLES HARTSHORNE,
JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
EDWARD L. SCULL,
FRANCIS WHITE,
BENJAMIN H. SHOEMAKER,
HOWARD COMFORT,
WILLIAM S. TAYLOR,
JOHN T. MORRIS,
WILLIAM PENN EVANS.

## STANDING COMMITTEES OF THE BOARD OF MANAGERS.

#### EXECUTIVE COMMITTEE.

JAMES WHITALL, DAVID SCULL, Jr., EDWARD L. SCULL, EDWARD BETTLE, Jr., RICHARD CADBURY, PHILIP C. GARRETT,

CHARLES ROBERTS.

#### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN, CHARLES HARTSHORNE,

JOHN B. GARRETT,

BENJAMIN H. SHOEMAKER,

EDWARD L. SCULL.

#### LIBRARY COMMITTEE.

RICHARD WOOD,
PHILIP C. GARRETT,
BENJAMIN V. MARSH,

CHARLES ROBERTS, EDWARD BETTLE, Jr.,

EDWARD L. SCULL,

HOWARD COMFORT.

#### FARM COMMITTEE.

WILLIAM S. TAYLOR, DAVID SCULL, Jr., ROBERT B. HAINES, WILLIAM PENN EVANS.

#### MUSEUM COMMITTEE.

HOWARD COMFORT, DAVID SCULL, Jr., CHARLES ROBERTS, PHILIP C. GARRETT,

JOHN T. MORRIS.

## VISITING COMMITTEES.

To visit the College on the second Third Day of each month, from 9 to 12 A.M., and at such other times as each Committee may appoint.

#### ELEVENTH MONTH.

W. MORRIS, T. W. BROWN, F. T. KING, B. H. SHOEMAKER.

#### TWELFTH MONTH.

B. V. MARSH, P. C. GARRETT, J. C. THOMAS, J. WHITALL.

#### FIRST MONTH.

W. R. THURSTON, J. E. RHOADS, H. D. VAIL, J. T. MORRIS.

#### SECOND MONTH.

G. HOWLAND, Jr., R. CADBURY, D. SCULL, Jr., W. P. EVANS.

#### THIRD MONTH.

R. WOOD, R. B. HAINES, F. WHITE, H. COMFORT.

#### FOURTH MONTH.

C. HARTSHORNE, J. B. GARRETT, E. BETTLE, JR.

#### FIFTH MONTH.

C. ROBERTS, E. L. SCULL, W. S. TAYLOR.

#### SIXTH MONTH.

W. MORRIS, T. W. BROWN, F. T. KING, B. H. SHOEMAKER.

#### NINTH MONTH.

B. V. MARSH, P. C. GARRETT, J. C. THOMAS, J. WHITALL.

#### TENTH MONTH.

W. R. THURSTON, J. E. RHOADS, H. D. VAIL, J. T. MORRIS.

## FACULTY.

THOMAS CHASE, LL.D., PRESIDENT,
AND PROFESSOR OF PHILOLOGY AND LITERATURE.

PLINY EARLE CHASE, LL.D.,
PROFESSOR OF PHILOSOPHY AND LOGIC,
AND IN CHARGE OF THE DISCIPLINE.

ALLEN CLAPP THOMAS, A.B., PREFECT,
AND PROFESSOR OF RHETORIC, POLITICAL SCIENCE, AND HISTORY.

ISAAC SHARPLESS, S.B.,
PROFESSOR OF MATHEMATICS AND ASTRONOMY.

LYMAN BEECHER HALL, Ph.D.,
JOHN FARNUM PROFESSOR OF CHEMISTRY AND PHYSICS.

FRANCIS GREENLEAF ALLINSON, Ph.D.,
ASSISTANT PROFESSOR OF GREEK AND LATIN.

JOSEPH RHOADS, Jr., A.B.,
Instructor in Natural History and Curator of the Museum.

SAMUEL JACQES BRUN, S.B., INSTRUCTOR IN FRENCH.

ALFRED GREELEY LADD., A.M., M.D.,
INSTRUCTOR IN PHYSICAL CULTURE AND DIRECTOR OF THE GYMNASIUM.

CHARLES M. BURNS, Jr., Instructor in Drawing.

WILLIAM HENRY COLLINS, S.B.,
ASSISTANT IN THE ASTRONOMICAL OBSERVATORY.

WALTER FERRIS PRICE, A.B., Assistant Librarian.

### REPORT OF THE BOARD OF MANAGERS

## THE CORPORATION OF HAVERFORD COLLEGE.

THE Managers report that the College work for the year 1880-81 has been performed with a good degree of diligence and success on the part of the students, the officers and professors have been faithful in the discharge of their duties, and the interests of the College have been cherished and promoted by its friends in this as in previous years.

The number of students now at the College is Students. Twenty-two were admitted at the opensixty-five. ing of the Fall Term this year, of whom sixteen entered the Freshman and six the Sophomore class. We again suggest to corporators and friends of the College that they can render important service to it by making known its advantages in their neighborhoods.

The following additions have been made to the Additions to corps of professors and instructors:

Samuel J. Brun, S.B., a native of Fontanès, France, and member of our Religious Society, was appointed, in Fifth month last, Instructor in French, residing at He is a graduate of the University of the College. France, and has taught successfully in Ackworth Since his appointment he has School, England. given instruction in the regular classes, and also in

voluntary classes formed by the students for the study of French literature and practice in conversation.

Charles M. Burns, Jr., of Philadelphia, has been appointed Instructor in Mechanical and Free-hand Drawing. Such instruction has been part of our course for many years, but is now specially provided for by the bequest of our dear friend John M. Whitall, as mentioned in last report.

Walter F. Price, of the last graduating class, has been appointed Assistant Librarian for the coming year, and has entered upon his duties. He will have entire charge, under the Librarian of the College, of the books. The Library will be open to the students at all times when they can use it. This free and unrestricted access to the Library is a privilege offered to our students of which we trust they will fully avail themselves. The appointment of an Assistant Librarian is intended to contribute to this result.

Physical Culture. Since our last report a new department of college work has been created by the appointment of Alfred Greeley Ladd, A.M., M.D., as "Instructor in Physical Culture and Director of the Gymnasium."

The Board, recognizing that the cultivation of a sound body equally with a sound mind was a legitimate and important part of college work, and being convinced that something should be attempted in the way of systematic instruction to promote the physical health of the students, appointed a committee to examine the subject and report their conclusions to the Board.

The committee carefully considered the matter,

and upon their recommendation the Board appointed Alfred Greeley Ladd, a graduate of Bowdoin College in arts and in medicine, highly recommended by Dudley A. Sargent, M.D., Professor of Physical Training at Harvard University, to the position of Instructor in Physical Culture.

The object of the system employed by Dr. Ladd, which is the same as that of Dr. Sargent, is the promotion of health by means of regular exercise with apparatus adapted to the needs of each case. In a word, physical health rather than muscular strength is the end sought.

Upon the advice of Dr. Ladd the Gymnasium The new Gymnasium. was thoroughly renovated and furnished with the ingenious apparatus recommended by Dr. Sargent. The new Gymnasium is a very attractive place, and gives promise of great usefulness. believed it will be of especial advantage to a class of students who neglect exercise, and are therefore not qualified to benefit by an ordinary gymnasium. These can now, by the aid of Dr. Ladd's advice, get just the amount and kind of exercise they need, without waste of time or effort. The whole cost of the apparatus and of the renovation of the room was \$1903.61, and was defrayed by subscriptions collected by the committee. The thanks of the corporation are due to those whose liberality has enabled the Board to make this valuable improvement.

William Bishop having resigned the position of Assistant in the Observatory, to which he was appointed last year, William II. Collins, of the last graduating class, has been appointed in his place, on the nomination of Professor Sharpless. This appointment, made for the first time last year, has proved of great advantage to the Observatory and to the study of astronomy at the College. The services of William Bishop have been of great value both in the care of the instruments and in the assistance he has given to Professor Sharpless in making and reducing observations.

The Observatory.

During the past year the Observatory has been in constant use. A class of nine seniors, in practical astronomy, was regularly drilled in the use of the instruments, in determination of the clock error and of the latitude of the Observatory, measurement of double stars, and observations on the moon and planets.

A zenith instrument, remodelled from the old transit of Professor John Gummere, and for which an addition to the transit room has been built, has been added to the Observatory; also a reflecting telescope of 8½ inches aperture, of which the speculum was made by Brashear, of Pittsburgh, and the mounting by Levi T. Edwards, of the last graduating class. The tube was made by the I. P. Morris Co., Limited, of Philadelphia, and presented to the College by John T. Morris (1867), president of the company. The cost of the instrument to the College is, therefore, less than one hundred dollars. Its performance is excellent, especially in observations of the moon and planets.

Publications.

Astronomical papers coming from our Observatory have appeared during the year in "Science," "The Scientific American," "Science Observer," "The Student," the "Public Ledger" (Philadelphia) and "Friends' Review." The Observatory has in this

way acquired some local reputation of advantage to it and to the College. Had we a better equipment, this reputation might be extended and increased. It is to be hoped that some friend or friends of the College will, and at no distant day, provide this. Our equatorial, which was the gift of friends in 1854, was then ninth in size in the United States. To enable Haverford to maintain the position it was then intended it should hold in astronomical study and research, a much larger and more powerful telescope, with a building adapted for its use and fully equipped, is needed. The present building and apparatus will always be valuable for the purpose of instructing classes and to supplement the larger establishment in its work. An observatory of high rank would be of great value to the College, and would also be an attraction to the neighborhood. An interesting event in the history of the Observ-Discovery of a Comet. atory was the discovery on the morning of Sixth month 16th, 1881, by Levi T. Edwards, of a large comet (comet B, 1881), which our astronomers were the first to announce to the scientific world.

The Museum continues to be an object of interest The Museto visitors, and we trust its establishment in the new quarters will direct the attention of our friends to its wants, and that our collections will thus steadily increase in value and importance. Donations of valuable minerals have been received through the year from our friend William S. Vaux, which are recorded in the book cataloguing donations to the Museum.

The present number of books belonging to the The Library. College Library is 8904; besides these, 4098 volumes belonging to the three Literary Societies are

on our shelves, making the total number in the building, accessible to all the students, 13,002 volumes. The increase since last report is 386 volumes, of which 212 were purchased, 131 were presented, and 43 were periodicals bound up.

Donations to Library.

William S. Vaux has given to the Library Piranesi's "Views of Rome," a splendid set of 145 steel engravings, folio plates, with a walnut stand for their convenient display. It is a valuable addition to our collections.

William H. S. Wood, of New York, has presented to the Library a black basalt bust, modelled after Flaxman's, of Dr. John Fothergill, the founder of Ackworth School.

A framed copy of the unique portrait of George Fox in possession of Swarthmore College, believed to be authentic, has been received from our friend George Vaux.

The Library is doing good service in fostering a love of sound literature, and in familiarizing our students with the use of books. The appointment of an Assistant Librarian will, we trust, add much to its efficiency as an educating force, and will enable the students to consult it, through his aid, to greater advantage.

Suggestions in regard to donations to Library.

We trust any of our friends who have books of value which they desire to place in a permanent collection will remember the College. In this way we have already greatly increased our collection of Friends' books. We would be glad to secure other books of this character, especially of early editions as it is our wish that the Library at Haverford shall be specially rich in the literature of our Society.

By communicating with our Librarian or his Assistant, information can be had which will prevent the sending of duplicate volumes on any subject. are many books, prints, etc., which are of great value to permanent collections, but which it is rarely possible to purchase for them. It is, therefore, by gift that the treasures of a public library are oftenest acquired. We desire that our shelves may be thus enriched by the thoughtful liberality of interested friends.

In the fall of 1879 a movement was begun by ponations for improvement of the some former students for the improvement and better college grounds. care of the grounds of the College, and subscriptions were obtained, payable yearly for three or more years, for the purpose. This money has been expended by a sub-committee of the Executive Committee, and the result is visible in the marked improvement in the condition of the lawns, shrubberies and walks. During the past year Samuel Parsons, Jr. (1862), of Flushing, New York, has placed his services at the disposal of the committee, which they have gladly accepted. The Board feel that in thus having the care of the grounds in charge of one of the most accomplished landscape gardeners in the country they are extremely fortunate. Those who contribute to this fund may have confidence that the work will be intelligently and thoroughly carried on, and also that the main features of the grounds, which are so dear to former students, will be carefully preserved by one who feels their charms.

At the last commencement the degree of A.B. was perred at last conferred upon eleven and the degree of S.B. upon ment five members of the graduating class. The degree

of A.M. was conferred, in course, upon Francis King Carey, of Baltimore, class of 1878, he having passed a satisfactory examination upon a subject approved by the Faculty.

Lecture by Thomas Hughes. An interesting event of the past year was the visit paid to the College by Thomas Hughes, of England, who lectured on Tenth month 22d, 1880, upon "English Public Schools and Dr. Arnold." The large audience which crowded Alumni Hall listened with deep interest to the speaker's reminiscences of the great head master of Rugby, whose fame and name are so dear to all who are interested in education. At the conclusion, President Chase, by direction of the Board, conferred upon the distinguished guest the degree of LL.D.

Address by Thomas H. Dudley. An interesting and valuable address on the "American System of Protection" was delivered in Sixth month last by Thomas H. Dudley, of New Jersey, on the invitation of the Board of Managers. Other lectures delivered before the College are referred to by President Chase in his report accompanying this.

Treasurer's statements.

The Treasurer's account and that of the Library Fund for the past year are submitted with this report. Owing to the subscriptions to the "Deficiency Fund," mentioned in last year's report, the deficiency for the past year has been met, and the debt has been reduced to \$24,795.88. The existence of this debt and of the cause which has created it, insufficient endowment, is perhaps the most serious obstacle to the prosperity of the College, and one that constantly hampers the Managers.

Importance of larger endowment.

We again commend this important subject to the consideration of the corporation and other friends of

the College. We believe that it is vitally important to the present success and future well-being of the College that an effort should be made to place it on a firmer financial foundation. We think the work it has done is sufficient demonstration that such an endowment would be a wise investment of money. It is well known to those interested in higher education that a college should be financially independent, so that it can pursue the important ends it has in view by the means considered best adapted to promote and produce them. It should present to the youth, whom it is its high duty to train and nourish into well-developed men and good citizens, an example of thoroughness and honesty in every department of the College. That this can hardly be the case, at least in all particulars, when those in the management of an institution are constantly hampered by insufficient means, and obliged to devote much of their energies to providing against annual deficiencies of income, is, upon consideration, sufficiently evident.

We would rejoice if the fiftieth anniversary of the foundation of Haverford School found Haverford College commencing its second half-century with increased equipment and amply provided with the means to carry on the work then begun. Will not friends of the College make an effort to bring about this result?

Since our last report the Board has lost another William C. of its members by death. Our dear friend William C. Longstreth passed away from this life on the twenty-fifth of Fourth month, 1881. He was elected a manager in the year 1863, and has since then been



earnest and active in the discharge of the duties of his position. His intercourse with his fellow-members of the Board has been pleasant and profitable to them; and they mourn not only the loss of a sincere well-wisher and worker for the College, but of a friend whom they had learned to love and value for the Christian graces of his character.

Concluding remarks.

In concluding this report we may express the belief that, in spite of shortcomings and of failures, Haverford College is well maintaining its foundation purpose, and is giving to the young men under its care a collegiate education of high character, guarded and free from many of the temptations and influences which are increasingly dangerous in so many places. May our College continue to maintain a testimony and an example in favor of an education sound and thorough intellectually, healthy and vigorous physically, and, above all, rooted and grounded in that fear of the Lord which is the beginning of wisdom, and in the knowledge of our Lord and Saviour Jesus Christ.

EDWARD BETTLE, JR.,

Secretary.

PHILADELPHIA, 10 mo. 10th, 1881.

## REPORT OF THE PRESIDENT,

FOR THE YEAR 1880-81.

### To the Board of Managers:

The number of students at Haverford last year was larger than at any previous time in the history of the School and College. While a certain amount of fluctuation is to be expected from year to year, as the experience of similar institutions shows, there is reason to hope that the number in attendance will continue to increase from decade to decade, so that at no distant date another building will be needed for studies and dormitories.

The scholastic interests of the College are in a prosperous condition; and some further progress has been made towards the attainment of that high standard at which we Hebrew, which has been taught here at various periods to informal voluntary classes, has been placed in the course as a regular elective study. The privilege of taking lessons in French, outside of the course, has been offered to all the students. Opportunities for practice in conversation both in French and in German have been enjoyed more fully than before. The appointment of four additional instructors has brought about a better division of work and greater efficiency in it; while the new equipment of the Gymnasium and the lessons of its accomplished Director are a conspicuous improvement upon all our former attempts to promote sound physical culture. In other departments I believe that the success attained by the diligence and skill of instructors in former years—and it is high praise to say so—has been fully equalled.

A very conspicuous feature in the history of the College for the past year is the unusual interest and attractiveness of the Lectures which were delivered before the students. The series was opened by Thomas Hughes, who portrayed to us the great master of Rugby with the appreciation of an observant and loving pupil and the insight of a wise student of human nature; and incidentally, also, bore his testimony to the original simplicity and purity of the Christian faith, as the improved scholarship and the manly candor of the leading minds of England are beginning to recognize them. Professor Pliny Earle Chase gave a very interesting course on Radiant Energy and recent discoveries and theories in physical science. Our friend James Hack Tuke kindly gave us the fruits of his own observation in Ireland, in an address in which he depicted vividly the distress recently suffered in that island, and bore witness to the genuine Christian philanthropy which prompts the measures proposed by the English government for its relief. Dr. James J. Levick described the early Welsh settlers of Haverford and its neighborhood, and showed their claims to the esteem and respect of after generations. John Fiske, of Cambridge, delivered a scholarly and learned course of six lectures on "America's Place in History"—attractive from the perfection of their style, and very stimulating to thought and study. R. L. Quinton, formerly of Trinity College, Cambridge, England, gave an instructive account of the Roman catacombs, illustrated by photographs thrown upon a screen, and an interesting course on the Formation of Worlds and Geological Epochs. The expense of Quinton's lectures was defrayed by our friend Elizabeth H. Farnum. Instructor Brun gave two lectures on Corneille and Racine, with illustrative readings. On the opening of our new Gymnasium, Professor Sargent, Director of the Gymnasium at Harvard, read a masterly and very suggestive address upon physical training in its physiological and hygienic aspects. President gave a lecture on the Revision of the Translation of the New Testament, describing the reasons for the work, its characteristics, and the methods by which it was made. Finally, the views of a man of large experience and observation on a topic of great interest in political economy were presented by Thomas H. Dudley, in his able and interesting lecture on the Protective System. these lectures were attended largely by our neighbors and by alumni and friends of the College, some of whom came from a considerable distance. It was felt that in thus throwing open our doors we were but fulfilling one of the most important functions of colleges, which is to serve as centres of culture in the whole community.

The good measure of success which has been granted to Haverford College thus far may be attributed first of all, under the Divine blessing, to the effort it has made to meet the actual wants of its patrons and the community which it represents, rather than to imitate too closely other institutions, or to pursue theories without regard to the circumstances by which it is surrounded. It has thus been enabled to raise gradually the standard of the education it offers, and to create a demand for such high training as it is ready to supply. The average age of its students and the character of their studies and their instruction have been advanced, while it has always had the good sense to abstain from attempting the impossible. The great obligation resting upon an institution empowered to confer degrees is that its requisitions for the attainment of such honors shall be at least as high as the average standard at respectable institutions of similar grade in the country and in the civilized world. It may be as independent as it pleases in regard to its requisitions for admission, the methods it pursues, and the years of residence it requires, provided it can claim, as the final result of its teaching, that it sends forth graduates who in any country would do credit to the academic title which they bear.

This claim, I am more and more persuaded, can be justly made by Haverford. Many of us have often, doubtless, been seriously impressed with the question, What is the outcome of all the care of the Managers, the labor of teachers, the bounty of liberal benefactors, the earnest prayers of the officers and friends, of this College? Fears may sometimes arise in one direction and discouragements in another, but both will vanish on a careful view. In mental training, in moral and religious character, in bodily health, in manly purpose and earnestness, the graduates of Haverford are conspicuous in any community in which they find themselves; and their careers in business or professional life, their influence in the community, their usefulness as citizens and in religious society, all bear witness to the value of the teachings and the training of their Alma Mater.

The family life is a great distinction and a great charm of Haverford College. To it the students are indebted for their more intimate acquaintance with each other, their warmer friendships, their constant partnership both in games and in studies, together with the orderly influences of a household and the morning and evening Bible reading. Instructors also are brought into closer relations with their pupils, and the influence for good of their accomplishments, their genial sympathy, their wise counsel, and their mature Christian character and example, is more constant and more potent. Thus the discipline has less need of harsh and clumsy methods than in places where the governors and the governed have less opportunity for mutual acquaintance

and influence upon each other. I believe that no similar institution in the country maintains a higher standard and a higher state of good order than ours, and that none is better able to attain this standard by moral influence alone, preventing disorder and healing disorderly dispositions. Ruder means must be resorted to if they are ever really necessary; but it is our hope that the wisdom and tact of instructors, their ability to command respect, and their sincere interest in the welfare of those under their charge, together with the generous dispositions of the students themselves, will continue to promote here that highest success of a college—the maintenance of a high tone of character and conduct, without undue severity on the one hand or turbulence on the other.

The conduct of the First-day afternoon readings, which has never been any part of the duties prescribed for the President, but which I requested leave to undertake six years ago, has been remitted to the officer charged with the discipline, to whom it was originally assigned. I prized the opportunity of laying before the students some considerations in regard to the fundamental truths of Natural and Revealed Religion, the inculcation of which I felt to be laid upon me; and it was with a sense of duty performed that I resigned the service at the beginning of the last academic year to the very competent and earnest officer who has taken it up and so faithfully carried it on. increasing interest of the Haverford meeting is a fact in which all friends of the College may rejoice. Influences for good have also sprung up among the students themselves, the prayerful concern of the officers has not diminished, and it is hoped that some fruit is here borne to the Master's praise.

THOMAS CHASE.

## ORDER OF THE

## PUBLIC EXERCISES OF THE JUNIOR CLASS.

FOURTH MONTH 15th, 1881.

- 1. An English Oration, "The Greek Revolution."

  RICHARD BOWNE HAZARD, N. Ferrisburgh, Vt.
- 2. An English Oration, "International Copyright."

  LINDLEY MURRAY WINSTON, Richmond, Va.
- 3. An English Oration, "The Mission of Mohammedanism." ELISHA GAMBLE,\* East Carmel, Ohio.
- 4. An English Oration, "Heroes of Reform."

  FREDERICK DILLWYN JONES, South China, Maine.
- An English Oration, "School Days at Athens."
   WILMER PANCOAST LEEDS,\* Camden, N. J.
- 6. An English Oration, "America and Russia."

  JESSE HENLEY MORGAN, Oskaloosa, Iowa.
- 7. An English Oration, "Kansas, her Aims and Development."

  JOHN ELIHU COFFIN,\* Fairmount, Kansas.
- 8. An English Oration, "Monopoly."

  George Loring Crosman, Swampscott, Mass.
- 9. An English Oration, "Zwingle."

  Daniel Corbit,\* Odessa, Delaware.
- An English Oration, "Science and Religion."
   THOMAS CHALKLEY PALMER, JR., Media, Pa.
- An English Oration, "Savonarola and his Times."
   ISAAC MILTON COX,\* Lawrence, Kansas.
   \* Resigned the privilege of speaking.

- 12. An English Oration, "The Irish Land-Tenure System."

  WILLIAM CHARLES JAY,\* Providence, R. I.
- 13. An English Oration, "Prohibition and Party Politics."

  WILMOT RUFUS JONES, South China, Maine.
- 14. An English Oration, "Frederick the Great."

  EDWARD RANDOLPH,\* Philadelphia, Pa.
- 15. An English Oration, "The Influence of the Early Plantagenets."
  GEORGE A. BARTON,

E. Farnham, Province of Quebec, Canada.

• Resigned the privilege of speaking.

## ORDER OF EXERCISES AT COMMENCEMENT.

SIXTH MONTH 22D, 1881.

- Salutatory Oration in Latin, and "The Platonism of Berkeley."\*
   EDWIN ORSON KENNARD, Knightstown, Ind.
- 2. An English Oration, "The Eastern Question."

  JOSEPH HORACE COOK,\* Philadelphia, Pa.
- 3. An English Oration, "England's Mission."

  WILLIAM ALLEN BLAIR, High Point, N. C.
- 4. An English Oration, "The Downfall of Spanish Supremacy in Europe."

  JESSE HOLLOWELL MOORE,\* Goldsboro', N. C.
- 5. An English Oration, "The Sacred Literature of the Hebrews."

  ISAAC THORNE JOHNSON, Wilmington, O.
- An English Oration, "The World's Indebtedness to Quakerism."
   JOHN CLARK WINSTON,\* Richmond, Va.
- 7. An English Oration, "Poetical Tendencies."

  Walter Brinton, West Chester, Pa.
- 8. An English Oration, "Modern Skepticism."

  DAVIS HOOPES FORSYTHE,\* West Grove, Pa.
- 9. An English Oration, "The Political Element in Education."

  LEVI TALBOT EDWARDS, Spiceland, Ind.
- 10. An English Oration, "The Government and the Railroads."

  ALBANUS LONGSTRETH SMITH,\* Philadelphia, Pa.
- An English Oration, "American Self-Esteem."
   WILLIAM ENOCH PAGE, Peabody, Mass.
  - \* Excused from speaking the English Oration.

- 12. An English Oration, "Astronomy, Past and Present."

  WILLIAM HENRY COLLINS,\* Poughkeepsie, N. Y.
- An English Oration, "The Friars in England."
   A. Morris Carey, Baltimore, Md.
- 14. An English Oration, "The Influence of Neo-Platonic Thought."

  THOMAS NEWBY WINSLOW,\* Belvidere, N. C.
- An English Oration, "The Renaissance at Florence."
   EDWARD YARNALL HARTSHORNE, Philada., Pa.
- 16. An English Oration, "The Destiny of the English Language,"\* and Valedictory Address.

WALTER FERRIS PRICE, Philadelphia, Pa.

Farewell Address to the Graduating Class.

PRESIDENT THOMAS CHASE.

\* Excused from speaking the Oration.

FIRST SCHOLAR.

EDWIN ORSON KENNARD.

SECOND SCHOLAR.

WALTER FERRIS PRICE.

# DEGREES CONFERRED AT COMMENCEMENT, 1881.

#### BACHELORS OF ARTS.

WILLIAM ALLEN BLAIR,
ANTHONY MORRIS CAREY,
LEVI TALBOT EDWARDS,
EDWARD YARNALL HARTSHORNE,
ISAAC THORNE JOHNSON,
EDWIN ORSON KENNARD,
JESSE HOLLOWELL MOORE,
WILLIAM ENOCH PAGE,
WALTER FERRIS PRICE,
THOMAS NEWBY WINSLOW,
JOHN CLARK WINSTON.

#### BACHELORS OF SCIENCE.

WALTER BRINTON,
WILLIAM HENRY COLLINS,
JOSEPH HORACE COOK,
DAVIS HOOPES FORSYTHE,
ALBANUS LONGSTRETH SMITH.

MASTER OF ARTS. FRANCIS KING CAREY.

DOCTOR OF LAWS. (Conferred Tenth Month 22d, 1880.) THOMAS HUGHES, Q. C.

## ORDER OF RECITATIONS.

#### FIRST HALF-YEAR, 1880-81.

		SECOND-	-DAY.					
	9.35-10.35		11-12	2-3	3-4			
SENIORS	Latin.		Philology.	Mechanics.	German.			
JUNIORS		***************************************	Latin.		Rhetoric.			
			Physics.					
SOPHOMORES	Ethics.	***************************************	Greek.	•••••	Trigonom., o			
FRESHMEN	Tatin	••••••						
PRESONAL N	Latin.	••••••	Geometry.	***************************************	Zoology.			
		THIRD-D						
	A 10	10-11	11-12		0.4			
CENTODO	<b>9</b> –10							
SENIORS	Butler.	Hebrew.	French. Engineering.	•••••	anics. German. Rhetoric.  Rhetoric.  Trigonom., or Surveying. Zoology.  2-3 3-4 Psychology.  Anal. Chem. Latin. Anal. Chem. Geometry.  German. Nat. Philos.  Anal. Geom.  Draw. Anal. Geom.  Butler.  Anal. Chem.			
JUNIORS	Logic.	Hebrew.	Latin.	Greek.	Anal. Chem.			
			Physics.					
SOPHOMORES	Trigonom., or	***************************************	Greek.	***************************************				
FRESHMEN	Surveying.		Physics.					
FRESHMEN	Latin.	•••••	Zoology.	***************************************	Geometry.			
		50110711	DAY					
		FOURTH-						
	9-10	10–11	11-12	2-3	3-4			
SENIORS	Latin.	Greek. <i>Mechanics</i> .	Physics.	History.	••••••••••			
JUNIORS	Anal. Geometry.	***************************************						
SOPHOMORES			Latin.		Nat. Philos.			
Dhenara	- 44		Zoology.	0				
FRESHMEN	Latin.		Geometry.	Greek.	Nat. Philos.			
					<del>-</del>			
		FIFTH-D						
	8.30-9.30	9–10	9.30-10.30	2-3				
SENIORS	English Bible.	Greek Test.		Greek.	Psychology.			
JUNIORS	English Bible. Gr. Test. & E. Bibl	Greek Test.	Greek. Drawing.	Mech. Draw.	Anal. Geom.			
80PHOMORES	English Bible.	ie	Mech. Draw.	Mech. Druw.	Nat. Philos.			
FRESHMEN					Greek.			
	216.22 2.0.0.		2	***************************************				
		81XTH-D						
	9-10	10–11	11–12	<b>2</b> –3	3-4			
SENIORS	French.	Physics, Engineering.	History.	Astronomy.	Butler.			
JUNIORS	German.	Engineering.	Greek.		Anal, Chem			
- 01.2022	Germann.		Desc. Geom.	***************************************	Ann. Cuein.			
SOPHOMORES	German,	Latin.	Nat. Philos.					
EDENSTREEN	0		Zoology.		Anal. Chem.			
FRESHMEN	Geometry.	•••••	(†reek, Nat. Philos.	••••••••				
					mewry.			
		SEVENTH	-DAY					
	8.35-9.30	9.30-10.25	10.25-11.20					
CTMIANA			-					
SENIORS		French.	German. Greek.					
JUNIORS	Georogy.	•••••	Desc. Geometry.					
SOPHOMORES		Trigonom.,	Ethics.					
		or Surveying.						
FRESHMEN	Rhetoric, or History.	Latin.						

## ORDER OF RECITATIONS.

## SECOND HALF-YEAR, 1881.

		SECOND-	UAT.					
	9.30-10.30		2-3.	3-4				
SENIORS	Anglo-Saxon.	History.		French.	Anatomy.			
JUNIORS	French.	Latin.  Organic Chem:	čatana s	•••••	Astronomy.			
SOPHOMORES		Greek.	sali y.		Latin.			
		Organic Chemi	istry.		Astronomy.			
FRESHMEN	Latin.	Algebra.		***************************************	History.			
		THIRD-D	AY.					
	9-10	10-11	11-12	2-3	3-4			
SENIORS	Psychology.	Greek. Mechanics.	French. Astronomy.	••••••	German.			
JUNIORS	Greek. Mechanics.			French.	Logic or Psy-			
SOPHOMORES	Trigonometry.		Greek.		Mineralogy o			
FRESHMEN	Letin		Organ Chem. Physiography		Geology. Algebra.			
F RESHMEN	Latin,		or Botany.	••••	Aigenra			
			<del>.</del>	T 0- 12 W-1.	7–8			
<u> </u>			Se.,	J., 80., F., Volt	intary r renco			
		FOURTH-	DAY.					
	9–10	10–11	11–12	2–3	3-4			
SENIORS	A . A	History.	German.	D-14 G-1	Anatomy.			
JUNIORS SOPHOMORES			History	Polit.Science.				
	Astronomy.				German.			
FRESHMEN	History.	•••••	Algebra.	Greek.	•••••			
		FIFTH-D	AY.					
	8.30-9.30	9–10	9.30-10.30	2.30-3.30	3-4			
SENIORS	***************************************			Hebrew.	3-4 Latin. Engineering.			
		Eng. Bible.		•• •	Engineering.			
JUNIORS		Eng. Bible.		Hebrew.	Psychology.			
SOPHOMORES	Gr. Test. & E. Bible Eng. Bible.	е	Drawing. Mech. Draw.	•••••	Chemistry.  Mech. Draw.			
FRESHMEN	Eng. Bible.				Greek.			
					Chemistry.			
		SIXTH-D	A V.					
	9–10	10-11	11-12	2–3	8-4			
SENIORS		Mechanics.	Latin.	Engineering. Mechanics.				
JUNIORS	NIORS Astronomy.		German.	MOULALICS.	Polit. Science.			
	Organ. Chem.	Mechanics.			m !			
SOPHOMORES	IOMORES Lat		German.	•••••	Trigonometry Astronomy.			
FRESHMEN	Greek. Chemistry.	••••••	Algebra.		Physiography or Botany.			
	•		Se.	J., So., F., Volu	7–8 intary French.			
		SEVENTH						
			10.25-11.20					
	8.35-9.30.	9.30-10.25	10.20-11.20	•				
SENIORS	French.	9.30–10.25 Greek.	History.					
	French. Astronomy.	Greek.	History.					
seniors	French. Astronomy.	Greek.	History.  Culculus.  French.	·				
JUNIORS SOPIIOMORES	French. Astronomy.	Greek.  French. Trigonometry	History.  Culculus.  French.	·				

# SUMMARY OF ACCOUNT OF TREASURER OF THE CORPORATION.

#### FOR YEAR 1880-81.

#### RECEIPTS. Balance in Treasurer's hands, 8th mo. 10th, 1880, \$2,262 47 Income from General Fund, . \$5,629 22 Income from Library Fund, . Income from I. V. Williamson Fund, 604 20 598 72 Income from John Farnum Memorial Fund, 1,649 21 8,481 35 8,745 88 45,300 00 Principal paid in—General Fund, \$4,138 38; Thos. P. Cope, do., \$4,607 50, Loans and transfers, Donations, 6,600 00 Farm account (rent), 1,200 00 18,304 70 Board and tuition, . Stationery, Rent (including Board Walk, \$2), 1,203 35 397 00 **\$**92,494 75 PAYMENTS. Salaries (including Dr. Ladd, \$200), **\$11,449 98** Investment on account General Fund, legacies of John M. Whitall and Joseph W. Taylor, 15,000 00 Investment on account Library Fund, . 600 00 Loans and transfers, 39,295 88 Interest, Charles Roberts, Treasurer Library Fund, Advertising and printing, 1,178 88 604 20 216 55 Family expenses, . 589 68 Farm account, 314 83 Repairs and improvements, 2,615 35 Provisions, 8,726 57 Fuel and lights, \$2,783 50 Less coal sold, 357 54 2,425 96 Wages, 3,256 69 1,505 03 Sundries and incidentals, Lawn account, Laboratory and apparatus, 399 47 323 21 Reduction of Floating Debt, . Balance in hands of Treasurer (David Scull, Jr.), Balance in hands of A. C. Thomas, Prefect, 2,504 12 1,225 94 262 41 \$92,494 75

### REPORT

o p

## TREASURER OF HAVERFORD COLLEGE LIBRARY FUND.

FOR THE YEAR ENDING 10th MO. 7th, 1881.

						R	ECE:	IPTS	3.							
Balance, 10	th 1	no.	7th,	1880,											\$274	36
Treasurer o	Treasurer of Corporation,			on, .	•										604	20
Interest on Deposits, .			•	٠	•	•	٠	•	•	•		•		4	50	
															883	
						PA	YM	ENT	S.							
Books,													<b>\$35</b> 8	45		
Periodicals	,											٠.	127	39		
Binding,													20	00		
Coal (two y	ear	s),											157	50		
Expressage	and	l ex	pens	es in i	Libra	ary,							14	50		
						•									677	84
Balance, 10	th 1	no.	7th, :	1881,											\$205	22

## STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third day in the Tenth Month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth day in the Third, Sixth, Ninth, and Twelfth Months, at 3 o'clock P. M.

### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

#### FORM OF A LEGACY.

I give and bequeath (if personal)—devise (if real) to "The Corpora
tion of Haverford College," the sum of
(or if real estate
describe it) to have
and to hold, to them, their successors and assigns, to the use of the said
"The Corporation of Haverford College," their successors and assigns.

#### SYLLABUS OF JOHN FISKE'S LECTURES

ON

## AMERICA'S PLACE IN HISTORY.

#### I.—THE DISCOVERY OF AMERICA.

Voyages of the Northmen to Greenland and Massachusetts in the eleventh century. The Crusades, and the spirit of romantic adventure in Europe. Attempts to reach India by sea. Henry the Navigator. Columbus. Da Gama. Vespucci. Magellan. Cook.

#### II.—THE STRUGGLE BETWEEN FRANCE AND ENGLAND.

The French and English in North America a century ago. Causes of the failure of the French as colonizers. The great problem of civilization—how to secure concerted action without destroying variety in belief and action. Origin of despotisms. Peculiar good fortune of England in maintaining free institutions. The "town-meeting" principle of government. Centralized governments not easily transplanted. Canada and New England. The Old Régime in Canada. The Jesuit missions. Indian alliances of the French. Algonquins and Iroquois. The Five Nations of New York. Romantic career of Frontenac. Indian massacres in New England. Massachusetts attacks Canada. Frontenac breaks the power of the Iroquois. Sir William Johnson. Massachusetts captures Louisburg. The struggle for the Ohio valley. Pitt and Frederick the Great. Montcalm and Wolfe. Conspiracy of Pontiac. Complete victory of England. Its prodigious results.

#### III.—THE THIRTEEN ENGLISH COLONIES.

England and Spain. Frobisher, Drake, Gilbert, and Raleigh. Adventures of John Smith. Settlement of Virginia. The Puritans in Plymouth and Massachusetts. High social position and lofty aims of the Massachusetts colonial leaders. Causes of English emigration in the seventeenth century. Roger Williams and universal toleration. Differences between the northern and southern colonies. Crown, charter, and proprietary governments. Settlement of Maryland; of the Carolinas; of Georgia. The Dutch in New Netherlands, and the conquest

of the province by the English. Cosmopolitan character of New York. The Friends in Pennsylvania. General view of the colonies. Their extraordinary growth and importance. Their effect upon the commercial and maritime development of the mother country.

#### IV.—THE TOWN-MEETING.

Differences in outward aspect between a village in England and a village in Massachusetts. Life in a typical New England mountain Tenure of land, domestic service, absence of poverty and crime, universality of culture, freedom of thought, complete democracy. Remarkable characteristics of the Puritan settlers of New England, and extent to which their characters and aims have influenced American history. The town-meeting as the primordial unit in American political life. Comparative survey of local self-governing groups throughout the Aryan world, the American township, the English parish, the French and Spanish communes, Slavonic and Indian village communities, the Greek and Roman city. Elements of sound political life fostered by the Russian mir. Vicissitudes of local selfgovernment in the various portions of the Aryan world. Feudalization of Europe, and partial substitution of manorial groups for the more primitive village groups. Decay of the manorial system. Growth of centralized government in France, while England maintains its free institutions. Contrast between the aristocracy of England and that of the continent. Why the English have invariably been more successful than the French as colonizers. The struggle between France and England for the possession of North America. The triumph of Wolfe marks the greatest turning-point as yet discernible in modern history.

#### V.—THE FEDERAL UNION.

Causes of the political failure of ancient Greek civilization. Intensity of the jealousies and rivalries between adjacent self-governing groups of men. Smallness of simple social aggregates and universality of warfare in primitive times. For the formation of larger and more complex social aggregates only two methods are practicable—conquest or federation. Greek attempts at employing the higher method—that of federation. The Athenian hegemony and its overthrow. The Achaian league and other Greek federations. In a low stage of political development the Roman method of conquest was the only one practicable. Advantages and disadvantages of Roman universal dominion—the Pax Romana and the partial extinction of local self-

government. Causes of the ultimate political failure of the Roman system. Partial reversion of Europe during the Dark Ages to a more primitive type of social structure. Effects of the introduction of ideas and customs of tribally-organized Teutons and Slavs. Counteracting influences of the Church. The experiment of federation first successfully tried by Switzerland, in spite of ethnical, linguistic, and religious differences. Great importance of the history of Switzerland in the Middle Ages. Prejudices incident upon difference of race, language, and creed are less potent in their final result than permanent community of self-interest. In the long run the cohesive forces in society prove stronger than the disruptive; and all human progress is a commentary on this general truth. Federation on a great scale first attempted by the American colonies. Failures of the early attempts at federation in New England. Difficulty of the problem. Effects of the struggle with France. Effects of the war for independence. "Articles of Federation" and the "Constitution." Relations of the several states to the federal government. What the American government really fought for in the late civil war. Magnitude of the results achieved. Fallacy of the notion that centralized governments are needed for very large nations. It is only through federalism, combined with local self-government, that the stability of so huge an aggregate as the United States can be permanently maintained. Pacific implications of federalism.

#### VI.—Manifest Destiny of the English Race.

How to "bound" the United States. "Manifest destiny" of the "Anglo-Saxon Race." The term "Anglo-Saxon" slovenly and misleading. Statements relating to the "English Race" have a common interest for Americans and for Englishmen. Work of the English race in the world. Early struggles of European civilization with outer barbarism and with civilizations of lower type. Greece and Persia. Rome versus Kelts and Teutons. The defensible frontier of civilization carried northward and eastward to the Rhine by Cæsar; to the Oder by Charles the Great; to the Vistula by the Teutonic knights; to the Volga and the Oxus by the Russians. Danger in the Dark Ages from Huns and Mongols on the one hand, from Mussulmans on the other. Immense increase of the area and physical strength of civilization, and improbability that Europe can ever again be seriously in danger from outer barbarism. Political effect of all this secular turmoil on the institutions of the European Aryans. Tendency towards a military type of society on the continent. Old Aryan freedom happily preserved by England. Significant coincidence of the discovery of America with the beginning of the Protestant revolt. Significance of the struggle between Spain, France, and England for the possession of an enormous area of virgin soil, which should insure to the conqueror an unprecedented opportunity for future developments. The race which gained control of North America must become the leading race in the world, and its political ideas must prevail in the struggle for life. How the American colonies contributed from the outset to the political preponderance and the maritime supremacy of the mother country. Moral significance of the rapid increase of the English race in America. Stupendous future of the English race—in Africa, in Australia, and in the islands of the Pacific Ocean. Future of the English language. Probable effects upon Europe of industrial competition with the United Impossibility of maintaining the present military armaments. How the states of Europe are likely to be forced by pressure of circumstances into some kind of federal union. The history of human progress politically is the history of the successive union of groups of men into larger and more complex aggregates. Elimination of the element of "distance" from political problems. The "parliament of man" and "federation of the world," and the reign of universal peace.

### CIRCULAR.

#### HAVERFORD COLLEGE

is situated near HAVERFORD COLLEGE STATION AND POST OFFICE (the first station east from Bryn Mawr), on the Pennsylvania Railroad, about nine miles west from Philadelphia.

Its courses of study are liberal and judicious, designed for thorough and generous training. It has won a very high rank among American colleges for the successful diligence of its Students and the fidelity and skill of its Professors. Its location is remarkably healthful, its grounds extensive and attractive, and it provides for its members a pleasant and comfortable home. Endeavoring to promote sound moral, intellectual, and physical culture, it aims to be a Family of Christian scholars and gentlemen.

The Gymnasium has been refitted with the apparatus of Dr. D. A. Sargent, Director of the Hemenway Gymnasium, Harvard University. A competent instructor, a graduate of Bowdoin College in Arts and Medicine, and a pupil of Dr. Sargent, has direction of the Gymnasium, and gives systematic instruction, based upon careful personal examination, to each student desiring it.

Students living in Philadelphia or its neighborhood may visit their homes every week.

There are Three Terms in the year, commencing in 1882, First Month (Jan.) 3d, Fourth Month (April) 24th, and Ninth Month (September) 13th, respectively. The next academical year will open Ninth Month 13th, 1882.

The price of Tuition and Board is \$425.00 per annum, payable to the Prefect one-half at the beginning, and one-half at the middle, of the College year. This charge includes rooms, fuel, lights, and all necessary furniture and attendance. Washing is charged at the rate of 75 cents per dozen. All articles of clothing, including overcoats, as well as towels, napkins, umbrellas, etc., must be marked legibly with the student's name in full. Text-books and stationery can be purchased at the College.

There is a telegraph office at Haverford College Station. At the

Bryn Mawr Post-office there is a Money Order office and an office of the Adams Express Company.

#### APPLICATIONS FOR ADMISSION

should be made to the President, THOMAS CHASE, LL.D., Haverford College P. O., Montgomery Co., Pa. Each candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must offer also certificates of dismission in good standing. Candidates will present themselves at the College, for examination, at 2 o'clock P. M., on Commencement Day, Sixth Month 21st, 1882, or at 9 o'clock on the morning previous to the beginning of the College term at which they desire to enter.

The College is open for the admission of the sons of Friends, and of others who are willing that their children should be educated in conformity with our Christian principles.

#### REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

In Classics, a familiar knowledge of the paradigms and of the leading rules of Syntax in Latin and Greek Grammar, to be tested, in part, by writing sentences in Latin and Greek; acquaintance with Prosody, to be proved by scanning verses from Virgil; and ability to give, after one hour's study, with the aid of a Lexicon, a literal translation of a passage not before read by the candidate, both in Latin and Greek prose or verse, and to apply the proper rules of Syntax to the constructions in that passage.

Candidates are recommended to read the books of a preparatory course in Greek and Latin which are ordinarily prescribed in the requisitions for admission to American colleges; but this course may be varied at the discretion of teachers, provided the candidate is found to possess sufficient knowledge of both languages to enable him to pursue, with facility and advantage, the studies of the Freshman Year.

Those who enter for the Scientific Course are excused from the examination in Greek, and examined in the elements of Physics and Botany.

In Mathematics, a good knowledge of Arithmetic, including the Metric System, and of Algebra, including Quadratic Equations, is required. It is very desirable that candidates should have some introductory knowledge of Geometry, gained from the first four books of Sharpless's Geometry or their equivalents.

Candidates must be familiar with English Grammar, Spelling, Civil Geography, Physical Geography, the elements of Greek and Roman

History, and the History of the United States. Acquaintance with the elements of the History of England is also desirable.

Satisfactory examination-papers, written under proper safeguards at first-class schools, and sent to us by the teachers properly attested, will be accepted so far as they cover the same ground as our own requisitions.

Students may be admitted to advanced classes, if found fully prepared for admission to the *Freshman Class*, and also, on further and special examination, in all the regular studies of the Course up to the point at which they enter.

Several scholarships, varying in value from \$50 to \$225 per annum, are offered by the Managers to students standing in need of pecuniary assistance. Applications for such aid must be made to the President; and candidates for scholarships must be thoroughly prepared in all the studies required for entrance.

The following is the Course of Study for the degree of Bachelor of Arts:—

#### FRESHMAN YEAR.

New Testament, Sharpless's Geometry, Algebra, Xenophon and Herodotus, Homer, Review of Greek Grammar, Exercises in writing Greek, Livy, Horace, Review of Latin Grammar, Exercises in writing Latin, History, English Literature, Rhetoric, English Composition, Hygiene, Zoology, Wood's or Gray's Botany, Drawing.

#### SOPHOMORE YEAR.

The Bible, Greek Testament, Trigonometry and Surveying with Field Practice, Navigation, Physics, Homer, The Prometheus of Æschylus, Plato's Apology and Crito, Exercises in writing Greek, Horace, the Germania and Agricola of Tacitus, Exercises in writing Latin, History, Dymond's Essays on Morality, Paley's Evidences of Christianity, Themes, Eliot and Storer's Chemistry, Mineralogy, Drawing.

#### JUNIOR YEAR.

Greek Testament, Analytical Geometry, Differential and Integral Calculus (elective), Astronomy (with practice in the Observatory), Thucydides, The Antigone of Sophocles, Exercises in writing Greek, Cicero's Tusculan Disputations and Somnium Scipionis, The Captives of Plautus, Pliny's Letters, Exercises in writing Latin, German, French, Whately's Rhetoric, Whately's Logic, Mental Philosophy,

Political Economy, International and Constitutional Law, Themes, Geology, Mechanical Drawing (optional), Hebrew (optional).

#### SENIOR YEAR.

#### REQUIRED STUDIES.

Greek Testament, Juvenal, Cicero's and Pliny's Letters, Latin Lyric Poetry, The Ancient Pronunciation of Latin, Latin Composition, History of Ancient Literatures, Keary's Dawn of History, Anglo-Saxon, Philological Study of the English Language, Butler's Analogy, Barclay's Apology, Gurney's Observations, Arnold's Lectures on Modern History (or an equivalent), Guizot's History of Civilization in Europe, Seebohm's Protestant Revolution, Hallam's Constitutional History, Anatomy and Physiology, Themes, Forensics.

#### ELECTIVE STUDIES.

Analytical Mechanics, Differential and Integral Calculus, Advanced Physics, Astronomy with Observatory Practice, Demosthenes on the Crown, Greek Lyric and Pastoral Poets, Advanced Classical Philology, Writing Greek, Advanced German, Advanced French, Advanced Psychology, Drawing, Hebrew.

The Course of Study for the degree of Bachelor of Science is similar to that for the degree of Bachelor of Arts, but requires no Greek, omits Latin after the Freshman Year, and substitutes advanced Scientific and Mathematical studies for the Classical.

For FURTHER INFORMATION, address Professor Allen C. THOMAS, Prefect, HAVERFORD COLLEGE P. O., Montgomery County, Pa.

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## REPORT.

## HAVERFORD COLLEGE.

1882.

## REPORT

## THE MANAGERS

## HAVERFORD COLLEGE.

TENTH MONTH 9TH, 1882.

PHILADELPHIA:

PRESS OF HENRY B. ASHMEAD,

NOS. 1102 AND 1104 SANSOM STREET.

1882. P.

9998

## CORPORATION.

SECRETARY.
EDWARD BETTLE, Jr.

TREASURER.

DAVID SCULL, Jr.,

No. 125 Market Street, Philadelphia.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
JAMES CAREY THOMAS,
BENJAMIN V. MARSH,\*
PHILIP C. GARRETT,
JAMES E. RHOADS,
BICHARD CADBURY,
DAVID SCULL, JR.,
RICHARD WOOD,
BOBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,

GEORGE HOWLAND, JR.,
CHARLES HARTSHORNE,
JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
EDWARD L. SCULL,
FRANCIS WHITE,
BENJAMIN H. SHOEMAKER,
HOWARD COMFORT,
WILLIAM S. TAYLOR,
JOHN T. MORRIS,
WILLIAM PENN EVANS,
HENRY BETTLE.

<sup>•</sup> Deceased 10th mo. 30th, 1882.

## STANDING COMMITTEES OF THE BOARD OF MANAGERS.

#### EXECUTIVE COMMITTEE.

JAMES WHITALL, DAVID SCULL, JR., EDWARD L. SCULL. EDWARD BETTLE, JR., RICHARD CADBURY, PHILIP C. GARRETT,

CHARLES ROBERTS.

#### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN,

JOHN B. GARRETT,

CHARLES HARTSHORNE, BENJAMIN H. SHOEMAKER,

EDWARD L. SCULL.

#### LIBRARY COMMITTEE.

RICHARD WOOD,
PHILIP C. GARRETT,
CHARLES ROBERTS,

EDWARD BETTLE, JR., EDWARD L. SCULL, HOWARD COMFORT.

#### FARM COMMITTEE.

WILLIAM S. TAYLOR, DAVID SCULL, Jr.,

ROBERT B. HAINES, WILLIAM PENN EVANS.

#### MUSEUM COMMITTEE.

HOWARD COMFORT, DAVID SCULL, Jr., CHARLES ROBERTS, JOHN T. MORRIS,

HENRY BETTLE.

## VISITING COMMITTEES.

To visit the College on the second Third Day of each month, from 9 to 12 A.M., and at such other times as each Committee may appoint.

#### ELEVENTH MONTH.

W. MORRIS, T. W. BROWN, F. T. KING, B. H. SHOEMAKER.

TWELFTH MONTH.

P. C. GARRETT, J. C. THOMAS, J. WHITALL.

#### FIRST MONTH.

W. R. THURSTON, J. E. RHOADS, J. T. MORRIS, H. BETTLE.

SECOND MONTH.

G. HOWLAND, JR., R. CADBURY, D. SCULL, JR., W. P. EVANS.

THIRD MONTH.

R. WOOD, R. B. HAINES, F. WHITE, H. COMFORT.

FOURTH MONTH.

C. HARTSHORNE, J. B. GARRETT, E. BETTLE, JR.

FIFTH MONTH.

C. ROBERTS, E. L. SCULL, W. S. TAYLOR.

SIXTH MONTH.

W. MORRIS, T. W. BROWN, F. T. KING, B. H. SHOEMAKER.

NINTH MONTH.

P. C. GARRETT, J. C. THOMAS, J. WHITALL.

TENTH MONTH.

W. R. THURSTON, J. E. RHOADS, J. T. MORRIS, H. BETTLE.

# FACULTY.

THOMAS CHASE, LL.D., PRESIDENT,
AND PROFESSOR OF PHILOLOGY AND LITERATURE.

PLINY EARLE CHASE, LL.D., PROFESSOR OF PHILOSOPHY AND LOGIC, AND IN CHARGE OF THE DISCIPLINE.

ALLEN CLAPP THOMAS, A.M., PREFECT,
AND PROFESSOR OF RHETORIC, POLITICAL SCIENCE, AND HISTORY.

ISAAC SHARPLESS, S.B.,
PROFESSOR OF MATHEMATICS AND ASTRONOMY.

LYMAN BEECHER HALL, Ph.D.,

JOHN FARNUM PROFESSOR OF CHEMISTRY AND PHYSICS.

SETH K. GIFFORD, A.M.,
ASSISTANT PROFESSOR OF GREEK AND LATIN.

JOSEPH RHOADS, Jr., A.B.,
INSTRUCTOR IN NATURAL HISTORY AND CURATOR OF THE MUSEUM.

ALFRED GREELEY LADD, A.M., M.D.,
INSTRUCTOR IN PHYSICAL CULTURE AND DIRECTOR OF THE GYMNASIUM.

CHARLES M. BURNS, Jr., Instructor in Drawing.

WALTER FERRIS PRICE, A.M.,
ASSISTANT LIBRARIAN.

JOHN ELIHU COFFIN, S.B.,
ASSISTANT IN THE ASTRONOMICAL OBSERVATORY.

## REPORT OF THE BOARD OF MANAGERS

700

# THE CORPORATION OF HAVERFORD COLLEGE.

THE Managers report that during the year 1881-82 good order and diligence, on the part of the students, have prevailed, and the Officers and Professors have been faithful in the discharge of their respective duties.

The number of students enrolled is sixty-one. Students of Twenty-two were admitted at the opening of the Fall Term this year, of whom fourteen entered the Freshman, six the Sophomore, and two the Junior class.

The average reported for the past five years in Average previous these reports has been sixty-five; prior to that, the vears.

average for sixteen years was forty-eight. The Board believe that judicious and increased efforts Importance of securing should be made to secure students from our own dents. Society and from those in the community at large who will appreciate the advantages of a College course at Haverford. By so doing the College should be kept full to its capacity, without detriment to its select character and to the advantage of the institution in every way. They invite the influence of Corporators and of former students in this direction.

The following changes have been made in the Col-Changes in College Faculty since our last report:

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Francis G. Allinson, who has for two years past been Assistant Professor of Latin and Greek, was released at his own request at the close of last year, and the Board have appointed Seth K. Gifford (Haverford, 1876) to the vacancy. He comes to us from Friends' School, Providence, where he has been a successful teacher.

Samuel J. Brun, Instructor in French, has accepted a position in Cornell University, and his work will be done the current year by Prof. Pliny E. Chase.

William H. Collins, who was obliged to resign his appointment as Assistant in the Observatory early in the fall of 1881, has been succeeded by John E. Coffin, of the last graduating class, who entered on his duties at the opening of the present term.

The other Professors and Instructors remain as last reported.

The Observatory.

The work in the Observatory has been hampered by the unexpected and much-regretted retirement of the Assistant, and the failure to find a suitable person to fill the place during the past year. The regular class drill in the use of the instruments has, however, been kept up, and some work in observations conducted. It is hoped that a full amount of such work will be done the coming year.

The Museum Gifts to it.

The Museum collections have been increased by some valuable minerals given by our friend the late William S. Vaux, of Philadelphia, and by the gift of a small but interesting collection of English shells from Martha Braithwaite, Jr., of London, England.

This department is worthy of the attention of friends of the College, as it is desirable that all our collections should be largely increased.

The number of books belonging to the College now The Library in the Library is 9263, an increase during the year of 359, of which 160 were presented, 50 are periodicals bound up, and 149 volumes were purchased. The Society Libraries contain 4266 volumes—an increase of 168—thus giving 13,529 volumes on our shelves freely accessible to all the students, against 13,002 reported last year.

Of the books presented, 138 volumes were Friends' Priends' books; 113 being sent to us by some Friends in Ireland, through the kindness of Joseph B. Binyon, of Cork, and 25 volumes were given by Richard Cadbury. These gifts are gratefully recorded, such books constituting a most valuable and desirable addition to our Library. Our collection of Friends' works is good, but there is much room for its profitable enlargement, and we trust that it will receive additions year by year until complete.

The only alteration of importance in the buildings room. New dining during the past year has been the removal of the dining-room from the basement to the first floor of Founders' Hall. The old collecting-room—restored to its original size by the removal of the partition erected a few years ago—has been refloored, and wainscoted with yellow pine, and is now used as the dining-room. The small adjoining room has been converted into a pantry and carving-room, and is connected with the kitchen by a lift; in it has been placed a hot-water table, the gift of a friend.

Ten tables, accommodating eight persons each, have been placed in the dining-room, which is heated by a portable furnace in the basement. The new room is better lighted, has a higher ceiling, and is in every

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way pleasanter than the old one, and the change gives great satisfaction to the Officers and students.

The entire cost of the improvement (except the table mentioned) has been defrayed by a member of the Board.

Degrees conferred at

A class of thirteen seniors graduated at the last mencement. commencement, seven of them in the Classical and six in the Scientific Section.

> The degree of A.M. was then conferred, in course. upon Prof. Allen Clapp Thomas (1865) and Walter Ferris Price (1881), both having passed satisfactory examinations upon subjects approved by the Faculty.

> The degree of A.M. was conferred, honoris causa, upon Henry Troth Coates (1862), of Philadelphia, for his attainments as a student of English literature.

Lectures: Edward A. Freeman.

Two valuable and suggestive lectures were delivered during last year by the historian, Edward A. Freeman, of England; one entitled "Washington's Place in the History of the English People," and the other upon "The Origin, Use, and Abuse of the English Language."

James Wood.

Our friend James Wood, of Mount Kisco, N. Y.. gave an interesting and instructive address upon "The Rhine." These lectures were attended by many residents in the neighborhood, and by friends from Philadelphia and vicinity.

Other lectures will be described by the President in his report accompanying this.

The Gymnasium. Physical Culture.

The new Gymnasium—described at some length in our last report-under the skilful care of its director, Dr. Ladd, has demonstrated its usefulness. and met the expectations of the Board. systematic work, both in classes under Dr. Ladd's

supervision and by individual exercise under his advice, has been done. The measurements and strength-tests, taken at the beginning and the end of the College year, show the good results of this system of intelligently directed physical training; the general health of the students has also been noticeably improved.

The Treasurer's Report and that of the Library Report. Fund for the past year are submitted with this report. Owing to the subscriptions to the Fund, alluded to in previous reports, and another subscription begun this year to assist in providing for the deficiency of the past year, this will be met and the debt pebt will be reduced to \$22,554.12.

Liberal donations, year by year, are most gener-Liberality of friends of the ously given both by persons interested in the man-college. agement and by others outside of it; the friends of Haverford will never know how much it is indebted to these quiet, unwearied supporters of the College, who have thus steadily supplied its deficiencies of income.

The limited number of students which Haverford Need of larger has always had makes the cost of their instruction income. great and the financial showing of the College a poor one. It has friends, as has been said, who have been most generous in its support, and for the three years now past these have not only provided for the annual deficiencies, but have enabled the Board to reduce the debt \$5345.88. There is no doubt, however, that the College needs a much larger income to enable it to meet expenses which are necessary to its position as a well-equipped collegiate institution. The number of Professors and Instructors has been increased



of late years, with a consequent addition to the salary list; but it is believed there are none that could be dispensed with without serious loss. It is, rather, true that additional instructors might be employed to advantage.

Minute limiting expenditures.

The Managers are fully alive to the necessity of exercising a wise economy in their expenditures, as well as to the importance of making the instruction and training at the College so thorough and effective that students will be attracted and retained. They have therefore adopted a minute "that, until otherwise ordered, there shall be no expenditure out of the College funds for any betterments or improvements whatsoever. This rule, however, is not to be understood to apply to expenditures absolutely necessary to keep the property from deteriorating."

Resignation of Hugh D. Vail.

Since our last report our friend Hugh D. Vail, for a number of years a valued member of this Board, has resigned his seat in it owing to his removal to a Henry Bettle distant state. The Board filled the vacancy by the

appointment of Henry Bettle.

Review.

In reviewing the work of the past year, considering the present condition of the College and looking to its future, we feel that it has never better deserved the support of its friends. If members of the Corporation or friends of the College will consider its instruction and facilities for instruction, its provisions of various kinds for the health and comfort of its students, and also the diligence and character of its undergraduates, and will compare these with previous periods of its history, they will be satisfied that the College has never occupied a better position.

suggestion. The Board trusts that its successors will use all

proper efforts to bring these advantages to the attention of Friends, and of others who will appreciate the value of thorough collegiate training under guarded, religious influences, freed from the extravagancies and greater temptations to which young men are unavoidably exposed in many places.

The fiftieth anniversary of the establishment of printeth Anniversary. Haverford School occurs in the autumn of next year. The Alumni Association hope at that time to gather back to the College halls and grounds all former students who can respond to their invitation. Let us hope that the memories thus awakened in so many hearts may be fruitful in furthering the work we have in charge.

The half hundred years of the life of Haverford concluding School and College have been years, many of them, of trial and discouragement; but always faithful men have rallied to the support of this great trust and carried it forward. The modest beginning has been blessed, we may humbly and thankfully believe, beyond the expectation of the founders; and it is for us, the successors of those pioneers in the cause of liberal education in our Society, to take from their memory and example increased devotion to our duties, looking to that help and guidance in which they put all their trust, and seeking for the blessing of Him "in whom are all the treasures of wisdom and knowledge hidden."

By direction of the Board.

Edward Bettle, Jr.,

Secretary.

PHILADELPHIA, 10th mo. 9th, 1882.

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# REPORT OF THE PRESIDENT,

FOR THE YEAR 1881-2.

## To the Board of Managers:

THE faithfulness and skill of the professors and instructors, and a good degree of zeal for improvement on the part of the students, have made the past year a successful one in the intellectual work of the College. The patient diligence of both teachers and pupils is the indispensable condition of true success in an institution of learning; and however silent and unobtrusive such diligence is in itself, it becomes conspicuous in its results.

No important changes have been made in our courses of instruction since my last report, but the establishment of regular series of Evening Readings deserves notice as a valuable addition to our means of culture.

Assistant Professor Allinson, having received advantageous offers from a school in Baltimore, left us at the end of the year. His accomplished scholarship and faithful performance of his duty deserve our recognition. Instructor Brun has accepted the instructorship in French in the Cornell University. His work here was very satisfactory to us and to his classes.

By the appointment of Assistant Professor Gifford, who takes the classes formerly under the care of Prof. Allinson, the College has obtained the services of an experienced teacher and an accomplished and thoroughly competent

scholar. The classes in French are again entrusted to the skilful hands of Prof. Pliny Earle Chase.

Haverford College has already had a sufficiently long existence to enable us to form some accurate estimate of the extent of the demand in our community for such an institution, and for the special kind of instruction and training which it offers. To aid in such an estimate I give the following statistics, beginning with the year when the Introductory Department—which added so greatly to the number of students in former years—was given up:

	•	_
Academic Year.	Number of Students.	Number of Graduates.
1861-2.	50	<b>5</b>
1862-3.	51	6
1863-4.	61	11
1864-5.	57	12
1865-6.	37	<b>2</b>
1866–7.	45	11
1867-8.	45	6
1868-9.	49	12
1869-70.	52	13
1870-1.	51	13
1871-2.	47	14
1872 - 3.	45	8
1873-4.	<b>50</b>	10
1874-5.	49	10
1875-6.	43	14
1876-7.	$\boldsymbol{42}$	7
1877-8.	59	16
1878 - 9.	57	7
1879-80.	7 l	11
1880-1.	<b>7</b> 6	16
1881–2.	65	13
21 years.	$\overline{1102}$	217

The total annual attendance, then, for the twenty-one years in which our College has existed as a purely collegiate institution, is 1102; the average for each year a fraction over 52. The total number of graduates for the same period is 217; the annual average a fraction over 10. For the fourteen years, 1861-2-1874-5, the average annual attendance was a fraction over 49; the average annual number of graduates 9½. For the last seven years, 1875-6-1881-2, the average annual attendance has been precisely 59, and the average annual number of graduates 12.

The enlarged number of students in the last seven years authorizes the hope of a continued increase in future; and yet, without a very great addition to its endowments, and probably a considerable change in its organization, as far as mere numbers are concerned Haverford is likely to remain for some time, if not always, a comparatively small college. In this very fact, however, lie many of its greatest advantages and chief points of superiority. The attention which each student receives, and the amount of direct personal service rendered him by his instructors, is inversely proportioned to the size of a college. It is also a peculiar charm of Haverford that while the number of students is large enough to present a great variety of talent and personal characteristics, it is not so large but that the students can all be acquainted with each other; and in the closeness of their intimacies and sympathies they form a body which probably has no parallel in this country.

When we consider on the one hand the number and character of the universities and colleges in America, their rich endowments, their large libraries and museums, and their varied attractions of every kind, and on the other hand the small number of patrons to whose denominational sympathies Haverford appeals, it is evidence of her peculiar merit that she has attracted as many students as she has.

But it would be very wrong to measure the work and the influence of any college simply by the length of its list of members. "Weigh us, not count us," was the answer made by the president of our oldest university forty years ago, when told that the number of students at Harvard was exceeded by that at certain other colleges. Again, the influence of a college is not confined to those who receive its instructions directly. Well has it been asked by a professor\* in one of our sister colleges, "Who would dare estimate, for its effect on Friends intellectually everywhere, what Haverford College has done, merely by the number of names in the catalogue?"

Of course we shall gladly welcome any healthy and legitimate growth. We ought to, and we shall, attract more students than have ever yet been drawn to us. In proportion as the great and peculiar advantages of Haverford for a guarded yet liberal education in a home of beauty and comfort, surrounded by the best influences of all kinds, become more fully known among the better class of our fellow citizens, they will more and more avail themselves of what we trust will always continue to be—as it is acknowledged to have been in the past—the very desirable privilege of enrolling their sons among our students.

The success of our graduates in various fields, and the high estimation in which a Haverford degree is held, confirm our belief in the soundness of our theory and methods of education. We hold that a liberally educated man must have a wide foundation of general knowledge to give him that breadth of interests, and that understanding of at least the general features of the intellectual activity and progress of the world, which will fit him for intelligent investigation in the closet, and for high place among his fellows in the

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<sup>\*</sup> Prof. C. W. Pearson, of Earlham College, in a paper read at the recent Educational Conference at Richmond, Indiana.

conduct of affairs; and that he should further have the opportunity of special advanced study in those particular lines which he has found most congenial to him. We do not advocate any narrow, exclusively classical or mathematical training; but we require for the graduate in arts a knowledge of the elements of chemistry, geology, astronomy, and the natural sciences, as well as proficiency in the old humane studies and liberal arts. So too in the scientific department, while the subjects which give it its name are prominent, a wide range of study in languages and literary subjects is prescribed. In either course the great drill is fitly confined to a few prominent and important studies; but the excursions taken into other fields, even if short and partial, serve at least to widen the intellectual horizon. Nor is superficiality a necessary evil in a considerable variety of studies. A little may be well learned though it be but little. We strive to be thorough as far as we go. In regard to methods of instruction, we think our teachers are judicious in their choice and skilful in their use. And we endeavor to remember throughout that it is ours not only to cultivate the mind, but to promote also the health of the body and the soul.

At the opening of the college year I addressed the students, in accordance with what is now my annual custom. In addition to the general remarks which seemed fitting for the occasion, I endeavored to draw some lessons from the example of the great statesman and magistrate whose heroic sufferings were then engaging the sympathies of mankind. In consideration of the historic interest of that great martyrdom, it is not inappropriate, perhaps, to repeat here my words.

"I cannot forbear some reference," I said, "to the subject which fills all our thoughts, the great affliction which has befallen the head of this nation and the whole nation with him. History presents no parallel to the sorrow and

anxiety with which fifty millions of freemen are watching by the bedside of their stricken ruler, while the whole civilized world has sympathized with us most deeply, and awaits with trembling interest each day's bulletin as it is flashed under the ocean and over the land. And what is the cause of this deep and universal interest and anxiety? Partly, doubtless, the abhorrence of a crime so dastardly as that of the cowardly assassin, whoever might be the victim; partly that loyalty which is due to the chosen head of a great people, whoever he may be; partly that human sympathy which makes us feel for the sufferings of any member of our race, even the lowest and most degraded; but above all, and more than all these, it is our love and admiration for the man It is not simply because he is the victim of the meanest of crimes, or our President, or our fellow human being, but because he is the particular person we know him to be; a true man and a true Christian, a true patriot, a true gentleman and a true scholar; it is for that pure and temperate and thoroughly virtuous life, from his youth up, to which he owes the strength of body which has carried him so far safely through an ordeal under which nine hundred and ninety-nine men in a thousand would have sunk at once; for that strength of will, the highest attribute of man; that family affection, that heroic courage, that cheerfulness, and that unselfish consideration for others, which he has shown through all these hours of pain; in short, it is for his noble and singularly attractive PERSONAL CHARACTER. Whatever shall be the issue, there will be at least one gain from this conspicuous and world-wide and ever-memorable lesson, that it will show that a noble personal character is the one thing which the world most admires, and which is the most desirable.

"And what particular lesson is there here for us at Haverford? Briefly this: that while his present nobleness is

the result of many causes, working at various times from his obedient childhood to his maturest manhood, we have reason to believe that his admirable character was especially shaped and determined in those years which he spent in college, by his wise and conscientious use of the opportunities and privileges which he there enjoyed. He himself has spoken of those college years as the deciding point in his life's career. We all know how useful, how honorable, how successful, in all the best senses of that word, has been the life which took its bent and direction from those college days at Williams. I doubt not that as you contemplate this career a noble emulation will be inspired into your minds. And if you wish a practical application, I know hardly any more useful question that you can ask yourselves than this, 'How would a Garfield act and feel in our present position here and now?' In some points, at least, you will have no hesitation in your answer. We may be very sure that he would make it his first business to do the work that brought him hither thoroughly and well, knowing that the regular and diligent performance of every task was for his own interest much more than for the interest of his college or his teachers or any one else. We may be sure that he would earnestly avail himself of all the incidental advantages of the place offered him in books, in debating. or literary societies, in elevated conversation with the most thoughtful of his fellow students. Above all we may be very sure-for we have ample testimony that such was the course of our noble President when he was at Williams College—that while he would be always 'a good fellow,' affable, companionable, and courteous, he could never be induced to countenance or take part in any action which was low, mean, or morally wrong. His moral integrity would be invincible. No profane or impure words could be uttered in his presence. Unobtrusively but unmistakably he would

always manifest his respect for duty and for all sacred things. A sincere Christian, he would carry his Christianity with him into the recitation-room, on the play-ground, into social companionship, and into his private study. He would be, moreover, a daily student of the Bible and continue instant in prayer. What a noble destiny would not such a man shape for himself in his student years! You can tell yourselves, perhaps as well as any of your friends can tell you. what is the true ideal of a student's life; but with how much greater force does the lesson come when you know it has been lived out in so eminent an example! What Garfield did within the walls of his Alma Mater, you too can do here and now."

When the tragedy had ended, the precedent which a universal and spontaneous feeling on the part of all the members of the college had set in the similar case of President Lincoln suggested to us the propriety of assembling the College at the hour of the funeral ceremonies, for such exercises as should then seem fitting. A request came likewise from the Senior Class that such a meeting should be held; similar suggestions were made by other friends; and it was in response to a universal desire that the officers, students, and many of our neighbors and of the old students, were gathered together on that impressive occasion. Appropriate addresses were made by members of the Faculty, and by our friends Ellis Yarnall and John B. Garrett, and the meeting closed with the offering of prayer.\*

In the autumn of 1881 visits were made to the College by Alfred Fowell Buxton, a graduate of Rugby and of Trinity College, Cambridge, and a grandson of the distinguished philanthropist, and William Fowler, M.P. for Cambridge. Both of these gentlemen addressed the students, giving good counsel in regard to their duties as men

<sup>\*</sup> A full phonographic report of the remarks made at this meeting will be found in "The Haverfordian" of Tenth Month, 1881.

and citizens, and commending to their imitation the great example of Garfield. Edward A. Freeman, D.C.L., the eminent historian, linked the same name with those of Washington and of Gladstone in the valuable address which he delivered at the College, at the one hundred and fiftieth anniversary of the birth of our first President, on "The Place of Washington in the History of the English People." The same eminent scholar gave us an instructive and interesting lecture on "The Origin, Use, and Abuse of the English Language." James Wood, one of our old students, kindly gave us an instructive, lively, and valuable lecture on "The Rhine," which was very acceptable to the members of the College and to those from without our walls who were so happy as to hear it. The other public lectures of the year consisted of two on "The Foundations of Morality," and one on "Steps to the Stars," by Prof. Pliny E. Chase, two by Prof. Sharpless on "Astronomy," and one by Prof. Thomas on "Book-keeping." An interesting address to the students on "The Relations of the Temperance Reform to American Civilization" was given by J. Ellen Foster, a member of the Iowa bar.

Prof. Thomas gave Evening Readings from the older English poets and from the old ballads; Prof. Allinson from Lucian and the Œdipus Rex of Sophocles; and the President from the Clouds of Aristophanes.

Haverford has never contented herself with the ideal of merely intellectual training, but has always sought to cultivate the whole man, and to surround her students with the best influences for moral and religious culture. The increase cometh only from above; but certainly much fruit has been granted to the labors of those who have here planted and watered in the last fifty years. At present, also, we have reason to believe that the institution is in good degree fulfilling the highest purpose of its foundation.

## ORDER OF THE

## PUBLIC EXERCISES OF THE JUNIOR CLASS.

FOURTH MONTH 14th, 1882.

- An English Oration, "Religion in America."
   GEORGE HENRY EVANS, Indianapolis, Ind.
- 2. An English Oration, "The Discovery of the Northwest Passage."

  JOHN SPOTSWOOD SPRUANCE,\* Wilmington, Del.
- 3. An English Oration, "Froude's Estimate of Cicero."

  THOMAS KIMBER WORTHINGTON, Baltimore, Md.
- 4. An English Oration, "The State of the Roman Church."

  WILLIAM ELLIS SCULL,\* Philadelphia, Pa.
- 5. An English Oration, "Capital Punishment."

  SAMUEL BINES SHOEMAKER, Germantown, Pa.
- 6. An English Oration, "The Pencil of Rays in the Hand of Art."

  STEPHEN WILLETS COLLINS,\* Purchase, N. Y.
- 7. An English Oration, "Practical Genius."

  WILLIAM LLOYD BAILY, Philadelphia, Pa.
- 8. An English Oration, "The Wandering Huguenot."

  WILLIAM ALPHEUS WHITE,\* Red Cross, N. C.
- An English Oration, "A Modern Superstition."
   JOHN BLANCHARD, Bellefonte, Pa.
- An English Oration, "The Future of the West."
   LOUIS BUTLER WHITNEY, \* Bryn Mawr, Pa.
- An English Oration, "A Great Existing Evil."
   FRANCIS BACON STUART,\* Spiceland, Ind.
  - \* Resigned the privilege of speaking.

- 12. An English Oration, "The Indian Question."

  CHARLES HENRY WHITNEY, Bryn Mawr, Pa.
- 13. An English Oration, "Restriction of Suffrage."

  FRANK ELWOOD BRIGGS, Winthrop, Maine.
- 14. An English Oration, "Quakerism and the Reformation in England."

  BOND VALENTINE THOMAS, Baltimore, Md.
- . 15. An English Oration, "The Empire of the Discontented."

  DAVID WILLIAM EDWARDS,\* Spiceland, Ind.
  - \* Resigned the privilege of speaking.

## ORDER OF EXERCISES AT COMMENCEMENT.

SIXTH MONTH 22d, 1882.

- A Latin Salutatory Oration, and "Goethe, Carlyle, Emerson."\*
   WILMER PANCOAST LEEDS, Camden, N. J.
- 2. An English Oration, "Why They Come."

  FREDERICK DILLWYN JONES,† South China, Maine.
- 3. An English Oration, "Nationality in American Literature."

  ISAAC MILTON COX, Lawrence, Kansas.
- 4. An English Oration, "Pastoral America."

  JESSE HENLEY MORGAN, † Oskaloosa, Iowa.
- 5. An English Oration, "The Oxford Reformers."

  LINDLEY MURRAY WINSTON, Richmond, Va.
- 6. An English Oration, "Modern Northmen."

  JOHN ELIHU COFFIN,† Fairmount, Kansas.
- An English Oration, "Ancient and Modern Science."
   THOMAS CHALKLEY PALMER, JR., Media, Pa.
- 8. An English Oration, "The Machiavellian Policy."

  EDWARD RANDOLPH,† Philadelphia, Pa.
- 9. An English Oration, "Individuality of Character."

  GEORGE LORING CROSMAN, Swampscott, Mass.
- An English Oration, "Practical Education."
   RICHARD BOWNE HAZARD, N. Ferrisburg, Vt.
- 11. An English Oration, "Longfellow as a National Poet."

  WILMOT RUFUS JONES, South China, Maine.
  - Excused from speaking the English Oration, † Resigned the privilege of speaking.

- 12. An English Oration, "The Greco-Russian Church."

  DANIEL CORBIT,\* Odessa, Delaware.
- 13. An English Oration, "A Problem in Quakerism," and Valedictory.

  George Aaron Barton, E. Farnham, Canada.

Farewell Address to the Graduating Class.
PRESIDENT THOMAS CHASE.

\* Resigned the privilege of speaking.

† Excused from speaking the English Oration.

CLASSICAL SECTION.
FIRST SCHOLAR.
WILMER PANCOAST LEEDS.

SCIENTIFIC SECTION.
FIRST SCHOLAR.
THOMAS CHALKLEY PALMER, JR.

# DEGREES

## CONFERRED AT COMMENCEMENT, 1882.

#### BACHELORS OF ARTS.

GEORGE A. BARTON,
ISAAC MILTON COX,
RICHARD BOWNE HAZARD,
WILMOT RUFUS JONES,
WILMER PANCOAST LEEDS,
JESSE HENLEY MORGAN,
EDWARD RANDOLPH.

#### BACHELORS OF SCIENCE.

JOHN ELIHU COFFIN,
DANIEL CORBIT,
GEORGE LORING CROSMAN,
FREDERICK DILLWYN JONES,
THOMAS CHALKLEY PALMER, JR.,
LINDLEY MURRAY WINSTON.

MASTERS OF ARTS.
Class of 1865.
ALLEN CLAPP THOMAS.
Class of 1881.
WALTER FERRIS PRICE.

HONORARY MASTER OF ARTS. HENRY TROTH COATES.

# PROGRAMME OF RECITATIONS

FOR THE

### FIRST HALF-YEAR, 1881-2.

		SECOND-	DAY.		
	9.30-10.30		11-12	2-3	3-4
SENIORS	Latin.			Mechanics.	
JUNIORS	Anal, Geom,	••••••	Latin. Physics.	•••••	Greek. German.
SOPHOMORES	Nat. Philos. Zoology.		Greek. Physics.		
FRESHMEN	Greek. Nat. Philos.	•••••••			Zoology.
					_
•		THIRD-D	AY.		
	9-10		11-12	2-3	3-4
SENIORS	Butler.		French. Engineering.	Hebrew.	Psychology.
JUNIORS	Geology.		Latin.	Anal. Chem.	Anal, Chem.
SOPHOMORES	Surveying.		Greek.	Anal, Chem.	Latin.
FRESHMEN	Latin. 6.30-7.30 p. :	m.—Sen., Ju., So	Zoology. o., Voluntary Ge	man.	
		FOURTH-	DAY.		
	9–10	10-11	11-12	2-3	3-4
SENIORS	Latin.	Astronomy.	Greek.	Eccl. Hist.	History.
JUNIORS	Anal. Geom.		Rhetoric.	German.	Des. Geometry
FRESHMEN	Eng. Literature.		Greek.	German,	Nat. Philos.
FREGUMEN	Datin.	•••••••••••••••••••••••••••••••••••••••	Geometry.	***************************************	Nat. Philos.
	9–10 г. м.—	Sen., Ju., So., Fr	., Voluntary Fr	ench.	
		FIFTH-D	AY.		
	8.30-9.80	9.30-10.30	11.00	2–3	3-4
SENIORS	French. Scripture.	Scripture.	_	•••••	
JUNIORS	Scripture.	Scripture.	11	Anal. Chem.	Anal. Chem. Greek.
SOPHOMORES		Scripture.	14	Anal. Chem.	
FRESHMEN	Scripture.	Draining. Scripture.	14		Anal. Chem.
ricizatimen	inawing.	ocripture.		***************************************	History.
		SIXTH-D	AY.		
	9-10	10-11	11-12	2-3	3-4
SENIORS	History.	Engineering.	Eccl. History.	Mechanics. Greek.	Psychology.
JUNIORS	German.	******	Anal. Geom.		Greek. Des. Geometry.
SOPHOMORES	German.	Greek.	Ethics.		
FRESHMEN	Geometry.		Latin.		
		SEVENTH	 -DAY.		
		9.30-10.25	10.25-11.20		
	8.35-9.30				
SENIORS		Hebrew.	German.		
SENIORS	Astronomy.	Hebrew. French.			
JUNIORS	Astronomy.	Hebrew. French. Rhetoric.	German.		
JUNIORS SOPHOMORES	Astronomy.	Hebrew. French. Rhetoric.	German.		

N. B.—When the Scientific Course differs from the Classical, the subjects of the Scientific Department are printed in italics.

# PROGRAMME OF RECITATIONS

FOR THE

#### SECOND HALF-YEAR, 1881-2.

		SECOND-	DAY.		
	9.30-10.30		11-12	2-3	3-4
SENIORS	Scripture.		German. German.	German.	Anatomy.
JUNIORS SOPHOMORES	"	••••••		German.	Logic. Chemistry.
FRESHMEN	u	***************************************		***************************************	<i>Chemistry.</i> Greek.
		THIRD-D	AV		
	9–10	10-11	11-12	2-3	3-4
erwiona			Hebrew.	Z-3 German.	Latin.
SENIORS	Mechanics.	Psychology.	French. Astronomy.	German.	LAUII.
JUNIORS	Greek. Mechanics.	••••••		German.	Logic.
${\bf SOPHOMORES}$			Physics. Latin.		Trigonom.
FRESHMEN	Latin Prose.		Physiography or Botany.	•••••	Latin.
	6.30-7.30 P. M	Sen., Ju., So., I	Fr., Voluntary G	erman.	
		FOURTH-			
	9-10	10-11	11-12	2–3	3-4
SENIORS	Latin.	Mechanics.	History.	Engineering.	
JUNIORS SOPHOMORES	German.	French. Greek.	Astronomy.  Astronomy.	French.	Calculus. Chiculus.
		-	Chemistry, Chemistry,		History or
FRESHMEN	Aigeora.	***************************************	Greek.	<b>:</b>	Latin.
	9-10 P. MS	n., Ju., So., Fr.	., Voluntary Fre	nch.	
		FIFTH-D	AY.		<del></del>
	8.30-9.30	9.30-10.30	11.00	2-3	3-4
SENIORS			Meeting.	Hebrew. French.	Psychology.
******			4	Engineering. Political Sci.	
3C 210BS		Mechanics. Astronomy.	-	Political Sci.	
SOPHOMORES	Latin. <i>Mech. Drawing.</i>	Astronomy. Drawing.	46		Trigonom,
FRESHMEN		Drawing.	44	••••••	History.
		SIXTH-D			
	9-10	10-11	11-12	2-3	3-4
SENIORS		Hebrew.	History.	Mech. Draw.	Anatomy.
JUNIORS	•••••••	Hebrew.	Latin.  Physics.	Mech. Draw.	Mech. Draw.
SOPHOMORES	Trigonometry.		Physics. Latin.	Mech. Draw.	Mech. Draw. Chemistry.
FRESHMEN	Latin.	•••••			Greek. Chemistry.
		SEVENTH			
	0.05.0.00	0.00 10 15			
JETSTEO DO	8.35-9.20	9.20-10.15	10.15-11.10		
SENIORS	French.	9.20-10.15 Greek.	10.15-11.10 History.		
	French. Astronomy.	Greek.	History.		
	French.	Greek. Astronomy. Astronomy.	History.		
	French. Astronomy.	Greek. Astronomy. Astronomy. Latin.	History. French.		

N. B.—When the Scientific Course differs from the Classical, the subjects of the Scientific Department are printed in italies.

## SUMMARY OF ACCOUNT OF

## TREASURER OF THE CORPORATION

#### FOR THE YEAR 1881-2.

#### RECEIPTS.

Balance in har Balance in har Income from G	ds of Tr	easu	rer, 1	0th n	10. 7t	h, 18	381,					. \$1,225	94
Balance in har Income from G Income from T Income from L Income from E Income from J Income from 1	ids of A.	C. T	`hom:	as, 8t	h mo	. 1st.	1881					. 449	90
Income from G	eneral F	und.				. '		٠.		. 8	5,537 23	3	
Income from T	P. Cop	e Fu	nd.		_			-	-		373 2	3	
Income from I	ibrary F	und	,	•	•	·	-	•	•	•	602 00	i	
Income from F	Yarnal	l Fn	nd	•	•	•	•	•	•	•	240 13	ŕ	
Income from I	obn Far	,,,,,,,	Mam	orial	Ė	a.	•	•	•	•	1 002 7	5	
Income from 1	v wiii	ione	on L	und	ı un	ч,	•	•	•	•	596 16	á	
Income nom 1		101113	ou r	una,	•	•	•	•	•	•	960 10	,	10
Rent of Farm,										_		- 8,362	
Kent of rarin,	•											. 1.200	
Donations, Principal of I		.•	:	•	•	<b>.:.</b>	<u>.</u> :	٠	•	:	•	7,340	35
Principal of It	ivestmen	its p	aid ir	ı— 1	. V.	W."	Func	1, 81	,683	33;	Genera	i	
Fund, \$1,0	50-00,	•							•			. 2,733	33
Board and tuit	ion, .											. 15,979	17
Laundry bills	ınd bala	nce o	of sta	tiona	ry ac	cour	ıt,					. 1,396	08
Fund, \$1,0 Board and tuit Laundry bills a Loans, Rents,												. 2,500	00
Rents.									_			. 388	-00
							•	•	-		•		_
												<b>\$41,575</b>	25
				PA	VW	FNT	'Q						
				1.5		D1/1	υ.						
Salaries of Pro	fessors,											. \$13.018	13
Provisions,												9.312	11
Wages												3 392	18
Repairs and in	proveme	ents.	-	-		Ī	•	•	-		•	2313	51
Fuel and light	(deduct	ing	ากรไล	old s	.113 (	211	•	•	•	•	•	2,010	13
Reinvestment	"IVI	v S	Fund	)		,,	•	•	•	•	•	1 679	10
Sundries and i	noidonta	ا ا	Luna	<b>,</b>	•	•	•	•	•	•	•	. 1,070	91
Loans mid off	ne menta.	٠٠,	•	•	•	•	•	•	•	•	•	. 1,200	- 00
Interest	•	•	•	•	•	•	•	•	•	•		. 2,400	00
Lown community		•	•	•	•	•	•	•	•	•	•	. 1,41/	99
Dawn account,		•	•	•	•	•	•	•	•	•	•	. 871	13
ramny expens	es, .	•		. •	:.	:	•	•	•			. 744	56
Charles Robert	s, Treasi	irer (	of Li	brary	Fun	d,				٠		. 602	00
Laboratory and	i appara	tus,	•	•								542	07
Printing and a	dvertisin	g,		•								. 373	26
Garden, .												. 328	85
Farm account,												. 268	82
Taxes,												253	37
Insurance.							_		-			60	00
Balance in Tre	asurer's	hand	ls. 8t1	me	21st	188	2	·	•	•	•	912	46
Balance in har	ds of A	CT	hone	au St	h ma	1st	1889	•	•	•	•	. 964	61
	12.	٠. ١		, 00		. 100,	1002	, .	•	•	•	04	UT.
Salaries of Pro Provisions, Wages,												Ø41 575	05
												\$41,575	20
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There has been a special subscription towards meeting the deficiencies of 1881-82 of \$3445, of which \$45 has been received and included in my accounts for the year. The balance is now being paid in, and when received there will result a reduction in the debt reported a year ago, of \$2241.76.

DAVID SCULL, JR.,

Treasurer.

Philadelphia, 10th mo. 9th, 1882.

## REPORT

OF

# TREASURER OF HAVERFORD COLLEGE LIBRARY FUND.

# FOR THE YEAR ENDING 10th MO. 10th, 1882.

					REC	EIP	rs.				
Balance, 10	th mo	. 2 <b>d</b> , 1	881,						\$205	22	
Treasurer o	f Corp	poratio	on,						602	00	
Interest on Deposits, .							3 13	13			
											\$810 35
					PAY.	MEN	TS.				
Books and	Period	licals,							428	97	
Binding,.									45	79	
Freight, .									4	65	
											479 41
Balance, 10	th mo	o. 10th	, 18	82,							\$330_90

# STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third day in the Tenth Month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth day in the Third, Sixth, Ninth, and Twelfth Months, at 3 o'clock P. M.

## LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

## FORM OF A LEGACY.

I give and bequeath (if personal)—devise (if real) to "The Corpora
tion of Haverford College," the sum of
(or if real estat
describe it)
and to hold, to them, their successors and assigns, to the use of the sai
"The Corporation of Haverford College," their successors and assigns.

## SYNOPSIS

03

## EDWARD A. FREEMAN'S LECTURES.

I.—Washington's Place in the History of the English People.

The English traveller, if he knew nothing of this country or its history, would be struck by the similarity of names of places to those he has left behind him, reminding him of their English origin. Among these are Plymouth and Boston, which would recall Devonshire and Lincolnshire; while the rivers James and Charles, Virginia, Maryland, the Carolinas, and Georgia, would recall thoughts of English kings and queens. So he might go along the whole coast, and, though finding names mainly English, he would not find them exclusively so, but mixed with settlers from other nationalities.

Although the city of Washington derived its name from the man whom this audience delights to reverence, this in turn was derived from a town in England possessing no peculiar interest, the town of Wascingas, and it is distinctively English. It is the commonest thing in the world for families to take their names from places, and many English surnames were derived in this manner.

Washington was a man whose virtues made him fit to mingle in any high company, no matter where assembled. He possessed a certain kind of quiet perfection. He was not one wonderfully brilliant, remarkably developed on one side and not so well developed on the other, but so evenly balanced as to be capable of doing just the right thing at the right moment. In all stages of his life he seemed to have that remarkably happy gift of seeing what was his duty at the moment he had to act. If we make comparison between Washington and the Presidents who succeeded him, his skill as a soldier, and his wise and sagacious administration for eight years as the first President of the Republic, entitle him to rank above them.

On the other side of the ocean we claim Washington as belonging to us. We claim everything good belonging to you, as we ask you to claim everything good belonging to us. We are sharers in a common

language, a common history, and a common glory, and have a part in whatever is great and good in either nation. It grates on my ears to hear the words English and American used as if they had anything in opposition. We claim you as being as thoroughly English as we are ourselves, and in saying this I have the authority of Washington and his contemporaries, who used the word "British" to denominate the enemies of American freedom. Washington was an Englishman by blood and feeling, who had done his part in extending English colonies, but found it necessary to take up arms against other Englishmen. Oppose Americans and British if you will, but not the English of England. I would rather be looked upon as a kinsman against whom you have had an old grudge, than be looked upon as an utter stranger. I claim your Washington as an English hero, and one of the worthies of a long list of great people from the time of Alfred the Great down through the Thirteenth and Seventeenth Centuries, and including the barons who extorted Magna Charta from King John, Pym, Hampden, and other great men of the Seventeenth Century, who had the same work to do in helping to build up the great fabric of English freedom, though the result was, in Washington's time, two lands of English freemen instead of one.

The first outlines of the English constitution are still preserved among the Western English, as I would call Americans. There is comparatively slight difference between a constitutional monarchy and a republic, and I could point out greater differences than a hereditary and an elective head. The king has the power of absolute veto, which is a dead letter and never exercised, while a President has a qualified veto, which is sometimes used, and therefore the latter has more power than the former. Again, the two houses of Congress bear a resemblance to the two houses of Parliament, while the common law of England is the law of the land here, with only such changes as have been, from time to time, found necessary. The proclamation of the sheriff of Philadelphia announcing a county election would serve as well for the sheriff of Bristol, and each ends with the old formula, the words only being changed from "God save the King" to "God save the Commonwealth." Going into your courts, I find things that came down from the conquerors of England, and were derived from the old Normans. Constitution of America did not come from the brains of Washington, Hamilton, and their associates, but from Edward, Pym, and Hampden. I am in a new but not in a strange land, but in a land inhabited by my own people. I have been amazed at the slight difference, but I do not know why I should be when the people are the same in everything

except in the accident of geographical position, which caused political separation. The two peoples are one in blood, in speech, in history, and in association, and ought to be one in feeling and love of kindred. I could wish that, instead of two English nations, there were more. If this were so, we should be more tied together than we are now, and less liable to be placed in opposition. Such a day may possibly come, and if it does come, I think we shall be wise enough to permit it without the unhappy incidents that marked the birth of this country.

We joined you last year in mourning the death of one who was cut down while stretching forth his hand in a noble work. We mourn for your Garfield, and while we do so we ask you to honor our Gladstone in his efforts for right and freedom in the further lands of Europe. Names like these show that the good old stock has not died out on either side of the ocean, and that Washington, who came on earth this day one hundred and fifty years ago, to do one of the greatest and best works ever done by man, is entitled to have his name linked, in the long roll of English worthies from earliest days, with the one who still lives, and the one who has just passed away amid the grief of the world.

## II.—THE ORIGIN, USE, AND ABUSE OF THE ENGLISH LANGUAGE.

The history of our tongue did not begin in Britain, but away back in the old land from which England was settled, the land bordering the ocean from Flanders to Sleswick, with a people who bore Teutonic freedom, Teutonic law, Teutonic speech into the isle of Britain, and brought with them the germs of the Great Charter and of the Federal Constitution. The Teutonic settlements in Britain, feeling the need of a common name, took that of the greatest tribe among them, the Angeln. And we are all Angeln still; you the New Angeln, the New Englishmen, we the Middle Angeln, and the people of the Netherlands the Old Angeln, whose speech is still a dialect of that Teutonic language of which our own speech is a dialect.

Among the Teutonic tribes which settled in Britain, two, the Angles and the Saxons, stood out foremost, and, between them, occupied by far the greater part of the land that was occupied at all. The Saxons were the earlier invaders, the first known to the Celtic inhabitants, and by their name all the Teutonic inhabitants of Britain were called and are still called by the Celts. But when the different Teutonic tribes took a common name, that name was England. They called their language "English" and themselves "Englishmen." The Saxon name is only local. And there never was a time when a man in England would say

"I am an Anglo-Saxon," or "I speak Anglo-Saxon." Anglo-Saxon was a grauder and more formal name, used only seldom, and then invariably in the plural, and chiefly in formal documents and in royal style.

English the language was at first, and English it has remained, although it received a large accession of Romance words after the Nor-The tongue of Hengest and Cerdic and the tongue of mans came in. Gladstone and Garfield is the same tongue. And who were the Normans? They were themselves Teutons. They were Danes who had stayed a little while in Gaul to put on a slight French varnish, and who came to their kinsmen in England to be washed clean again. The Danes who had wrested the coast of northern France from its own dukes and kings, who had shut up those dukes and kings in an inland city, but who in so doing had taken to the tongue and the manners of the land in which they had settled,—those, in short, who had changed from "Northmen" into "Normans"—still remained kinsmen, though they may have forgotten the kindred. But the smaller Norman body was absorbed in the greater English body; and before the end of the twelfth century Normans and English could no longer be distinguished.

The Roman conquerors of Gaul gave their language to the conquered, and Latin the French language has remained, although it gained a considerable infusion of Teutonic elements from the Frankish and Northman conquerors. The Normans gave the English language a still larger infusion of Romance words. They are an important element in our composite and flexible tongue; but we can say almost anything that we want to, and still confine ourselves to old English or Teutonic words.

Foreign words have too often got into our language and displaced good English words without cause. You Americans have retained many good English words which in England have been turned out Englishmen who complain of "Americanisms" often betray their own ignorance of the language of Chaucer, Shakespeare, and Dryden. Thus the word "fall," a season of the year, is a good, expressive English word still in use in America, although in England it has been displaced, in the last hundred years or so, by the Latin word "autumn." I remember, however, my grandmother's speaking of "spring and fall." An Englishman complained in a letter to an English newspaper of the American use of this word, supposing it had been invented since the Declaration of Independence! On the other hand we have retained some old words which you have dropped. In both countries more care should be taken to preserve the purity of the language. I am glad to

see, by the signs in Chestnut Street, that you spell "chestnut" rightly; although a foolish writer has said the t ought to be omitted, forgetting that the word comes from castanea.

The Teutonic words in our vocabulary are all of them real words, words which we are always wanting. The Romance words generally do not represent so primary needs of speech; some of them, for the general purposes of language, are not words at all. For I deny that technical terms are any real part of language. The words with which we clothe our inmost thoughts, the words of worship, the words of love, the words of the fireside, the words of the highest oratory and the highest poetry, are Teutonic. We can put together sentence after sentence of clear and strong English without a single Romance word; we cannot form the shortest really complete grammatical sentence without Teutonic words.

Any thought worth the thinking about can be put forth clearly in English, without any foreign help, without the use of strange, out-ofthe-way words, the jargon of diplomacy, etc. This kind of talk is used by cunning people, who wish to conceal what they think, and by silly people, because they think it sounds fine. I was looking over a file of Benjamin Franklin's newspaper the other day, and I noticed in what perfect English he told his story, in what a delightfully plain and straightforward, and yet witty, taking way, with none of that forced humor and "tall ta!k" of which we have so much nowadays on both sides of the ocean. We have taken up too many foreign names for things for which we had better English names before. Let us banish such words as "donate" and "locate." "Begin" is a much better word than "commence," "inaugurate," or "initiate." There is a very wrong use of the words "metropolis" and "provinces," which I had expected to leave behind when I left England; but I have actually found some of your newspapers calling New York a "metropolis," and New Yorkers speaking of other portions of the country as "provincial." Now there are but two proper uses of "metropolis:" first, of the mother city of a colony, as Corinth was the metropolis of Syracuse; second, in the various hierarchical churches, of the seat of an archbishop with reference to inferior sees. As for "provinces," there can be no such thing in a country made up of equal states. Remember that there is a moral element in the right use of language.

I once wrote with a good deal of care this sentence: "The time had now come when the man who had done all this good to his native land was to undo it with his own hand." There is only one foreign word, "native," in the sentence. I might have used "father" land, but this

would be the other extreme. Now I wish to make you feel how much better our true English words are than any others. Do not say, for "the time had now come," etc., "The period had now arrived when the individual who had conferred all these benefits," and so on. Let us draw from the older and purer fountains of our English speech, the common language of Britain and America.

## CIRCULAR.

## HAVERFORD COLLEGE

ALLEN C. THOMAS, A.B. (Haverford), A.M. (Haverford), Prefect, and Professor of Rhetoric, Political Science, and History.

ISAAC SHARPLESS, S.B. (Harvard), Professor of Mathematics and Astronomy.

LYMAN B. HALL, A.B. (Amherst), A.M. and Ph.D. (Göttingen), Professor of Chemistry and Physics.

SETH K. GIFFORD, A.B. (Haverford), A.M. (Haverford), Assistant Professor of Greek and Latin.

JOSEPH RHOADS, JR., A.B. (Haverford), Instructor in Natural History.

ALFRED G. LADD, A.B. (Bowdoin), A.M. (Bowdoin), M.D. (Bowdoin), Director of the Gymnasium and Instructor in Physical Training. Charles M. Burns, Jr., Instructor in Free Hand and Mechanical

WALTER F. PRICE, A.B. (Haverford), A.M. (Haverford), Assistant Librarian.

Drawing.

JOHN E. COFFIN, S.B. (Haverford), Assistant in the Observatory.

The courses of study are liberal and judicious, designed for thorough and generous training. The College has won a very high rank for the successful diligence of its Students and the fidelity and skill of its Professors. Its location, in the country, is remarkably healthful, its

grounds extensive and attractive, and it provides for its members a pleasant and comfortable home. Endeavoring to promote sound moral, intellectual, and physical culture, it aims to be a Family of Christian scholars and gentlemen.

The Gymnasium is furnished with the apparatus of Dr. D. A. Sargent, Director of the Hemenway Gymnasium, Harvard University. A competent instructor, a graduate of Bowdoin College in Arts and Medicine, and a pupil of Dr. Sargent, has direction of the Gymnasium, and gives systematic instruction, based upon careful personal examination, to each student desiring it.

Students living in Philadelphia or its neighborhood may visit their homes every week.

There are Three Terms in the year, commencing in 1883, First Month (Jan.) 2d, Fourth Month (April) 23d, and Ninth Month (September) 12th, respectively. The next academical year will open Ninth Month 12th, 1883.

The price of Tuition and Board is \$425.00 per annum, payable to the Prefect one-half at the beginning, and one-half at the middle, of the College year. This charge includes rooms, fuel, lights, and the necessary furniture and attendance. Washing is charged at the rate of 75 cents per dozen. All articles of clothing, including overcoats, as well as towels, napkins, umbrellas, etc., must be marked legibly with the student's name in full. Text-books and stationery can be purchased at the College.

Each student must be furnished with an English Dictionary, a Classical Atlas, and a Classical Dictionary.

There is a telegraph office and an office of the Adams Express Company at Haverford College Station. At the Bryn Mawr Post-office there is a Money Order office.

#### APPLICATIONS FOR ADMISSION

should be made to the President, Thomas Chase, LL.D., Haverford College P. O., Montgomery Co., Pa. Each candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must offer also certificates of dismission in good standing. Candidates will present themselves at the College for Examination, at 2 o'clock P. M., on Commencement Day, Sixth Month 20th, 1883, or at 9 o'clock on the morning previous to the beginning of the College term at which they desire to enter.

The College is open for the admission of the sons of Friends, and of

others, of all denominations, who are willing that their children should be educated in conformity with our Christian principles.

## REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

In Classics, a familiar knowledge of the paradigms and of the leading rules of Syntax in Latin and Greek Grammar, to be tested, in part, by writing sentences in Latin and Greek; acquaintance with Prosody, to be proved by scanning verses from Virgil; and ability to give, after one hour's study, with the aid of a Lexicon, a literal translation of a passage not before read by the candidate, both in Latin and Greek prose or verse, and to apply the proper rules of Syntax to the constructions in that passage.

Candidates are recommended to read the books of a preparatory course in Greek and Latin which are ordinarily prescribed in the requisitions for admission to American colleges; but this course may be varied at the discretion of teachers, provided the candidate is found to possess sufficient knowledge of both languages to enable him to pursue, with facility and advantage, the studies of the Freshman Year.

Those who enter for the Scientific Course are excused from the examination in Greek, and examined in the elements of *Physics* and *Botany*, or in studies deemed by the Faculty of equivalent value.

In Mathematics, a good knowledge of Arithmetic, including the Metric System, and of Algebra, as far as Quadratic Equations, is required. It is very desirable that candidates should have some introductory knowledge of Geometry, gained from the first four books of Sharpless's Geometry or their equivalents (as the first three books of Euclid).

Candidates must be familiar with English Grammar, Spelling, Civil Geography, Physical Geography, the elements of Greek and Roman History, and the History of the United States. Acquaintance with the elements of the History of England is also desirable.

Satisfactory examination-papers, written under proper safeguards at first-class schools, and sent to us by the teachers properly attested, will be accepted so far as they cover the same ground as our own requisitions.

Students may be admitted to advanced classes, if found fully prepared for admission to the *Freshman Class*, and also, on further and special examination, in all the regular studies of the Course up to the point at which they enter.

Several scholarships, varying in value from \$50 to \$225 per annum, are offered by the Managers to students standing in need of pecuniary

assistance. Applications for such aid must be made to the President; and candidates for scholarships must be thoroughly prepared in all the studies required for entrance.

The following is the Course of Study for the degree of Bachelor of Arts:—

#### FRESHMAN YEAR.

New Testament, Sharpless's Geometry, Algebra, Xenophon and Herodotus, Homer, Review of Greek Grammar, Exercises in writing Greek, Livy, Horace, Review of Latin Grammar, Exercises in writing Latin, History of Ancient Literatures, History, Rhetoric, English Composition, Hygiene, Zoology, Physiography, Wood's or Gray's Botany, Drawing.

### SOPHOMORE YEAR.

The Bible, Greek Testament, Trigonometry and Surveying with Field Practice, Navigation, Physics, Homer, Plato's Apology and Crito, The Prometheus of Æschylus, Exercises in writing Greek, Horace, the Germania and Agricola of Tacitus, Exercises in writing Latin, History, Dymond's Essays on Morality, Paley's Evidences of Christianity, English Literature, Themes, Eliot and Storer's Chemistry, Mineralogy, Drawing.

#### JUNIOR YEAR.

Greek Testament, Analytical Geometry, Differential and Integral Calculus (elective), Analytical Chemistry (elective), Astronomy (with practice in the Observatory), The Antigone of Sophocles, Thucydides, Exercises in writing Greek, Cicero's Tusculan Disputations and Sonnium Scipionis, The Captives of Plautus, Pliny's Letters, Exercises in writing Latin, German, French, Whateley's Rhetoric, Whateley's Logic, Mental Philosophy, Political Economy, International and Constitutional Law, Themes, Geology, Mechanical Drawing (optional), Hebrew (optional).

#### SENIOR YEAR.

#### REQUIRED STUDIES.

Greek Testament, Juvenal, Cicero's and Pliny's Letters, Latin Lyric Poetry (or an equivalent), The Ancient Pronunciation of Latin, Latin

Composition, Keary's Dawn of History, Anglo-Saxon, Philological Study of the English Language, Butler's Analogy, Barclay's Apology, Gurney's Observations, Arnold's Lectures on Modern History (or an equivalent), Guizot's History of Civilization in Europe, Seebolun's Protestant Revolution, Hallam's Constitutional History, Anatomy and Physiology, Themes, Forensics.

#### ELECTIVE STUDIES.

Analytical Mechanics, Differential and Integral Calculus, Advanced Physics, Astronomy with Observatory Practice, Civil and Sanitary Engineering, Demosthenes on the Crown, Greek Lyric and Pastoral Poets, Advanced Classical Philology, Writing Greek, Advanced German, Advanced French, Advanced Psychology, Ecclesiastical History, Hebrew, Drawing.

The Course of Study for the degree of Bachelor of Science is similar to that for the degree of Bachelor of Arts, but requires no Greek, omits Latin after the Freshman Year, and substitutes advanced Scientific and Mathematical studies for the Classical.

For FURTHER INFORMATION, address Professor Allen C. THOMAS, Prefect, HAVERFORD COLLEGE P. O., Montgomery County, Pa.





## REPORT.

# HAVERFORD COLLEGE.

1883.



## REPORT

OF

## THE MANAGERS

o**p** 

## HAVERFORD COLLEGE.

TENTH MONTH 9TH, 1883.

PHILADELPHIA:

PRESS OF HENRY B. ASHMEAD,

Nos. 1102 and 1104 Sansom Street.

1883.

## CORPORATION.

## SECRETARY.

### CHARLES ROBERTS.

### TREASURER.

## EDWARD BETTLE, JR.,

No. 8 N. Front St., Philadelphia.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
JAMES CAREY THOMAS,
PHILIP C. GARRETT,
JAMES E. RHOADS,
RICHARD CADBURY,
DAVID SCULL, JR.,
RICHARD WOOD,
ROBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,
GEORGE HOWLAND, JR.,

CHARLES HARTSHORNE,
JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
EDWARD L. SCULL,
FRANCIS WHITE,
BENJAMIN H. SHOEMAKER,
HOWARD COMFORT,
WILLIAM S. TAYLOR,
JOHN T. MORRIS,
WILLIAM PENN EVANS,
HENRY BETTLE,
JUSTUS C. STRAWBRIDGE.

SECRETARY OF THE BOARD.

JOHN B. GARRETT.

## STANDING COMMITTEES OF THE BOARD OF MANAGERS.

#### EXECUTIVE COMMITTEE.

JAMES WHITALL, DAVID SCULL, JR., EDWARD L. SCULL, EDWARD BETTLE, JR., RICHARD CADBURY,

PHILIP C. GARRETT. CHARLES ROBERTS, JOHN B. GARRETT, JOHN T. MORRIS. JUSTUS C. STRAWBRIDGE.

#### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN,

JOHN B. GARRETT, CHARLES HARTSHORNE, BENJAMIN H. SHOEMAKER, DAVID SCULL, JR.

#### LIBRARY COMMITTEE.

RICHARD WOOD, PHILIP C. GARRETT, CHARLES ROBERTS,

EDWARD BETTLE, JR., EDWARD L. SCULL. HOWARD COMFORT.

### FARM COMMITTEE.

WILLIAM S. TAYLOR, DAVID SCULL, Jr.,

ROBERT B. HAINES. WILLIAM PENN EVANS.

#### MUSEUM COMMITTEE.

HOWARD COMFORT, DAVID SCULL, JR.,

CHARLES ROBERTS, JOHN T. MORRIS, HENRY BETTLE.

## FACULTY.

THOMAS CHASE, LL.D., PRESIDENT,
AND PROPESSOR OF PHILOLOGY AND LITERATURE.

PLINY EARLE CHASE, LL.D.,
PROPESSOR OF PHILOSOPHY AND LOGIC.

ISAAC SHARPLESS, Sc.D.,
PROPESSOR OF MATHEMATICS AND ASTRONOMY,
AND IN CHARGE OF THE DISCIPLINE.

ALLEN CLAPP THOMAS, A.M., PREFECT,
AND PROFESSOR OF RHETORIC, POLITICAL SCIENCE, AND HISTORY.

LYMAN BEECHER HALL, Ph.D.,
JOHN FARNUM PROFESSOR OF CHEMISTRY AND PHYSICS.

EDWIN DAVENPORT, A.M.,
PROFESSOR OF GREEK AND LATIN.

CHARLES E. GAUSE, Jr., S.B.,
INSTRUCTOR IN MATHEMATICS AND CURATOR OF THE MUSEUM.

HENRY CARVILL LEWIS, A.M., LECTURER ON GEOLOGY AND PALEONTOLOGY.

WALTER A. FORD, M.D.,
INSTRUCTOR IN PHYSICAL CULTURE AND DIRECTOR OF THE GYMNASIUM.

CHARLES M. BURNS, Jr.,
INSTRUCTOR IN DRAWING.

WILLIAM EARL MORGAN, A.M.,
ASSISTANT IN THE ASTRONOMICAL OBSERVATORY.

WILLIAM F. WICKERSHAM,
ASSISTANT LIBRARIAN.

At a stated Annual Meeting of The Corporation of Haverford College, held Tenth Month 9, 1883,

"The following report from the Nominating Committee was read, and an election being held, Howard Comfort and George Newhall acting as tellers, the members as proposed by the Committee were elected Officers and Managers of the Corporation for the ensuing year:

"'The Committee appointed to nominate a ticket for Officers and Managers of The Corporation of Haverford College report the following:

> SEORETARY. CHARLES ROBERTS.

TREASURER.
EDWARD BETTLE, Jr.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
JAMES CAREY THOMAS,
PHILIP C. GARRETT,
JAMES E. RHOADS,
RICHARD CADBURY,
DAVID SCULL, JR.,
RICHARD WOOD,

ROBERT B. HAINES, FRANCIS T. KING, WILLIAM R. THURSTON, GEORGE HOWLAND, JE., CHARLES HARTSHORME, JOHN B. GARRETT, EDWARD BETTLE, JR., CHARLES ROBERTS, EDWARD L. SCULL, FRANCIS WHITE,
BENJAMIN H. SHORMAKER,
HOWARD COMFORT,
WILLIAM S. TAYLOR,
JOHN T. MORRIS,
WILLIAM PENN EVANS,
HENRY BETTLE,
JUSTUS C. STRAWBRIDGE

"'David Scull, Jr., who for a long time has faithfully served the Corporation as Treasurer, having desired to be released, the Committee thought it right to accede to his request.

On behalf of the Committee.

HOWARD COMPORT.

JAMES WHITALL.

PHILADELPHIA, Tenth Month 5, 1883.'

"In acceding to the request of our dear friend David Scull, Jr., and releasing him from the position of Treasurer, in which he has for more than eighteen years served the Corporation, this meeting desires to record its high appreciation of the great value of his services, and the support he has given to the Corporation in the discharge of the duties of his office."

Taken from the minutes.

EDWARD BETTLE, Jr., Secretary.

## REPORT OF THE BOARD OF MANAGERS

TC

## THE CORPORATION OF HAVERFORD COLLEGE.

THE Managers report that the College year, 1882 -83, has been marked by a good degree of diligence on the part of the students, and that the Officers and Professors have been faithful in the discharge of their respective duties.

The number of students now at the College is students of eighty-one, of whom thirty-eight entered at the present Fall Term. Two joined the Junior, nine the Sophomore, and twenty-six, the Freshman class, and one is taking a special course. This is the largest number of students ever at Haverford, the greatest number admitted to the College in one year, and also the largest Freshman class in its history.

While it seems right to call the attention of the Corporation to these interesting and encouraging facts, it is well also to point out and to remember that these bring increased responsibilities, and that it is only by faithful, unwearied efforts to maintain a high standard of right living and sound learning that increased numbers will be of advantage.

The various departments of the College are in the Importance of support-hands of earnest and capable men, and with the President a divine blessing on their labors the year just begun promises to be a successful one. In order that this

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result may be promoted, we desire that our successors may individually feel their responsibility in forwarding, in such ways as lie in their power, the welfare of the College. The President and Faculty need, and should receive, the hearty sympathy and support of every member of the Board. The comparative isolation in which such men work makes this co-operation necessary. Compared with other professional men they receive but little assistance from those who are the immediate objects of their care, while the parents of these are not often seen, and, therefore, but seldom give the words of encouragement, advice or suggestion, which are so helpful in the case of the physician, the lawyer, or the school-teacher. Surely it is an important part of the duty of managers of such institutions to enter into their inner life, and to extend this friendly sympathy and counsel and encouragement to those who are there quietly giving the strength of their days to noble and self-denying work.

It is well, also, that the scholastic training given by the Faculty be constantly put to the test of free discussion with men living in the busy world, where the college student is one day to take his place. This interchange of views cannot but be a healthy corrective of narrow teaching, and be preventive of unfruitful work.

Changes in College Faculty.

The following changes have been made in the Faculty and in the duties of the Professors:

Joseph Rhoads, Jr., having resigned his position at the close of last year, and Prof. Pliny E. Chase desiring to be released from the care of the discipline, a new arrangement was necessary.

At the request of the Board Prof. Isaac Sharpless

consented to take charge of the discipline, and on his nomination Charles E. Gause, Jr., a graduate of the class of 1880, has been appointed as his assistant, and also to take charge of some classes in the mathematical department. The Board believes that this arrangement will be most useful in promoting and maintaining a healthy state of discipline and a correct standard of living. In the discharge of their important and sometimes difficult duties they will have the earnest support of the President and Faculty, and, we have no doubt, of the incoming Board.

To these officers are committed services most nec-college discipline. essary to the present well-being of the College and to its future. We can see evidences that the lax government which has crept, little by little, into American colleges, has made many parents anxious that their sons shall receive a collegiate training under guarded religious influences. It is well to speak modestly, and under due sense of liability to short-comings; but it can be claimed for Haverford that it has never shirked nor abandoned its responsibilities in this matter, but has always endeavored to watch over and promote the moral and religious, as well as the intel-

Assistant Professor Seth K. Gifford desiring to devote some time to study in Germany, the Board granted him leave of absence until the opening of the Fall Term in 1884.

lectual, growth of the students committed to its care.

Edwin Davenport, A.M. (Harvard), on the nomination of President Chase, has been appointed Professor of Latin and Greek, in place of Prof. Gifford, for the year 1883-84. He will also give instruction in German. Prof. Davenport has had long and suc-

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cessful experience as a teacher of the Classics, and the Freshman and Sophomore classes will receive thorough training at his hands.

Dr. A. G. Ladd having removed to the West, the Board has appointed Walter A. Ford, M.D., as Instructor in Physical Culture and Director of the Gymnasium. Dr. Ford is recommended by Dr. Ladd as competent for the post.

The Gymna-

The work in the Gymnasium continues to demonstrate the usefulness of giving systematic direction to the exercise of the students, and those who contributed the means for refitting it three years ago may feel assured that their money was wisely given.

Walter F. Price, A.M., who has for two years satisfactorily performed the duties of Assistant Librarian, having resigned his position and entered Harvard University to take a post-graduate course, William F. Wickersham, late of Westtown School, has been appointed to succeed him.

William Earl Morgan, A.M., has been appointed Assistant in the Astronomical Observatory in place of John E. Coffin, who resigned the post at the end of the last College year, having given faithful and efficient service.

The other Professors remain as last reported. The Faculty of the College has never been stronger, nor more devoted to the work before it, than at present, and the Corporation may feel satisfied that the interests of the College will be safe in its keeping.

The Observatory.

The work in the Observatory has gone on as usual during the past year. A large class has had regular practice with the instruments, which are all in good order.

The liberality of a few friends of the College has New teleenabled the Board to order a new refracting telescope of first-class construction from Alvan Clark & Sons, Cambridgeport, Mass., the best makers of such instruments.

The new telescope will have an aperture of ten inches and a focal length of thirteen feet, and is to be of modern and convenient construction. Both from the qualities of its glass and the method of its mounting it will add greatly to the resources of the Observatory. It is promised to be ready about the end of this year (1883). The price of the whole, omitting freight, will be \$3900. A solar eye-piece costing \$50, and a spectroscope costing \$350, have been ordered from England.

This valuable addition to the resources of the College is a deserved recognition of the services of the Director of the Observatory, Prof. Sharpless, who has made astronomical studies, both useful and popular in the College, and by his text-books and his clear and interesting statements of astronomical phenomena in the *Public Ledger* of Philadelphia, and elsewhere, has made for himself and the College a wide reputation in this field. The action of the University of Pennsylvania in conferring upon Prof. Sharpless, at its last commencement, the honorary degree of Doctor of Science (Sc.D.), is a gratifying recognition of his work and standing.

The present number of volumes belonging to the The Library. College Library is 9773, being an increase of 510 volumes, of which 248 were purchased, 54 were periodicals bound up, and 208 were presented. The Society Libraries contain 4407 volumes, thus giving

a total of 14,180 volumes which are free to all the students, against 13,529 volumes reported last year.

Of the books presented 80 volumes were from the Gins to Li-library of the late William S. Vaux, of Philadelphia, given by his executor George Vaux. A number of fine specimens of early editions of the Classics, and valuable Friends' works, were given by Joshua H. Worthington, M.D., of Baltimore; and 33 volumes of Friends' works, from the library of the late William J. Allinson, were contributed by his heirs.

The Board desires to express its gratification with the action of friends of the College in thus enriching the shelves of the Library, and would encourage others who may have books for which they desire to find a permanent home, and one where they will be appreciated, to place them in the College Library. It has every year been benefited in this way, but our collections need further enlargement. We would again urge that those having early or rare editions of Friends' works remember the claims of the Library and help us in completing our collection of these books.

The Museum Gifts to it.

A small but valuable collection of fossils for the Museum has been received from Alfred Lloyd Fox, of Cornwall, England, by the hands of Pres. Chase.

David Scull, Jr., has added through the year some two hundred specimens to the valuable collection of stuffed birds which he presented four years ago.

Its need of increase and the Museum, even more than the Library, needs the support of the Alumni and friends of the College, inasmuch as there are no funds from which it can be provided with specimens. It is dependent upon the contributions of those interested for its growth. We

trust that many who read this report will be reminded that it is in their power to aid in building up the collections at Haverford, which should be rich in all the departments of natural history.

During the past summer vacation the heating ap-Improvements in paratus and flues in Barclay Hall have been over-Hall. hauled, under the direction of John Sunderland, of Philadelphia, and it is hoped that hereafter all the rooms in the building will be comfortably warmed. Double sash have been placed on the windows of rooms exposed to the north and northeast.

A tank for hot water, holding 800 gallons, to be heated by exhaust steam from the boilers, has been placed in the basement. This it is expected will furnish, what has been much needed, an ample supply of hot water. Some painting, papering and other repairs have been done in this and the other buildings.

The Board determined to hold the last Commence-Change of Commence-Commence ment on Third day, the 19th, instead of on Fourth ment. day, the 20th, of the Sixth month. The immediate cause of this action was to enable President Chase to be present at the Commencement exercises, and to take steamer on the 20th from New York for a well-earned and needed vacation trip to England. The Board, however, has under consideration the subject of changing Commencement Day from the Fourth to the Third day of the week in which the commencements are now held.

At the last Commencement the degree of Bachelor Degrees conferred at of Arts was conferred upon six and that of Bachelor mencement. of Science upon nine members of the Senior class. The degree of Master of Arts was given, in course,



to Joseph Rhoads, Jr. (1880), and to L. Lyndon Hobbs (1876), both of whom passed severe examinations in a very satisfactory manner. The honorary degree of Doctor of Laws was conferred upon Thomas Ferris Cock, M.D., of the class of 1836, and the honorary degree of Master of Arts upon James Wood, of Mt. Kisco, N. Y., and Henry N. Hoxie, of Germantown, Philadelphia.

Lecture

The lectures given at the College will be described in the report of the President; but we may say that in no previous year has there been so rich and varied a course given to the students, who, it is believed, have appreciated the privilege. The College lectures have been attended by a considerable number of the neighbors, and also by friends from Philadelphia. It is pleasant to have the company of these interested listeners, and in this way the College is doing its proper work as an educator in the community.

The policy of the Board for some years past has been to encourage President Chase to invite able men to address the students on subjects with which the lecturers were identified. It is believed that this has resulted in stimulating the students to reading and study, and in promoting sound literary tastes among them.

Treasurer's Report. The Treasurer's Report and the Report of the Treasurer of the Library Fund are submitted with this report.

Donations.

Cash donations have been received during the year from various friends amounting to \$9017.50, of which \$1517.50 were for special purposes. These supplied deficiency of income, and prevented any material increase of the debt.

Our friend Isaiah V. Williamson, of Philadelphia, I.V. Williamson, of Philadelphia, son's gift. gave to the Corporation, in Twelfth month last, five yearly ground-rents, amounting in all to \$528 per annum, to aid and assist in the establishment and support of scholarships for such deserving young men as may need this assistance, either wholly or in part. This gift has been gladly received by the Board, and there is no doubt but that it will be of similar usefulness with the previous donation for a like purpose from the same judiciously benevolent giver.

We desire to publicly express our grateful acknowledgments of these benefactions, and also our appreciation of the kind words of interest and encouragement which accompanied many of them. the work of the College may always be such that her supporters will receive that reward which is their due.

Soon after the annual meeting of the Corporation Beatlamin v. in Tenth month last our friend Benjamin V. Marsh, Marsh, who was then re-elected a member of the Board, died at his home in Burlington, N. J. Graduating from Haverford School in 1837, and for some time afterward connected with it as an instructor, he was afterwards, all his life long, interested in Haverford, and since his election, in 1860, when health permitted, a diligent and interested member of the Board.

The Board filled the vacancy in Twelfth month Justus C. Strawbridge last by the appointment of Justus C. Strawbridge, of appointed Philadelphia.

The Fiftieth Anniversary of the founding of the Semi-Centernial institution will occur this year. On Tenth month 28th, 1833, Haverford School opened with twentyone students in attendance. At this day we can

hardly realize the intense interest with which this modest school was regarded, but we may well believe that the fervent prayers which ascended from many hearts availed much, and that the undertaking which was then begun in hope and faith will be helped forward through the years to come, so long as those connected with it keep alive in their hearts the same humble trust and confidence which supported the founders, and are animated by the same purpose to promote the cause of truth and righteousness by the inculcation of sound learning and correct principles among the youth intrusted to their care.

By direction of the Board.

EDWARD BETTLE, JR.,

Secretary.

PHILADELPHIA, 10th mo. 8th, 1883.

## REPORT OF THE PRESIDENT,

#### FOR THE YEAR 1882-3.

## To the Board of Managers:

OUR College is entering upon its second half-century with a larger number of students, and fairer prospects for success and usefulness, than ever before. The retrospect of the past year gives much ground for satisfaction as regards the progress of the students in their studies, and the moral and religious condition of the college.

After three years of faithful service Instructor Joseph Rhoads, Jr., has resigned his office to assume the important position of Principal of the Central Academy at Plainfield, Indiana. Our Assistants in the Library and in the Observatory have also left us—the latter to be the Principal of the Vermillion Academy, Illinois, and the former to pursue advanced University studies at Harvard. Our best wishes attend them in their new fields of duty. Their successors enter upon their work with the most favorable promise.

Assistant Professor Gifford having obtained leave of absence, in order to prosecute his studies in Germany, his place is filled by Professor Edwin Davenport, a graduate of Harvard University, of very high scholarship, and an experienced and successful teacher.

The high position and good reputation which Haverford College has attained, and the improvements which have been made in its buildings, apparatus, and corps of teachers, give us reason to anticipate continued growth and more rapid progress in the future. The modest policy of abstaining

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from advertising so long pursued, as well as the great restrictions formerly placed upon admissions, prevented the fame of the College from being extended as widely as would otherwise have been the case. The parents of students recently admitted from beyond the pale of our original patrons often speak of their having been ignorant of the existence here of so excellent an institution open to their sons, until what seemed some chance discovered it to them. The wisdom of taking all proper steps to make the facilities and advantages which we offer more generally known, especially in our own part of the country, is apparent.

Foremost upon our claims to public favor are the learning, ability, and skill of our professors and instructors, and the high moral tone which prevails among the students. That college will attract and keep students which has teachers whose high attainments will secure the respect of their pupils, and whose enthusiasm and skill will inspire an interest in the subject they teach, together with that habit of diligent and faithful work, without which scholastic success and distinction are impossible; if, in addition to this merit, it maintains a good state of morals and discipline. Haverford has all these claims, and adds to them singular and unrivalled advantages in the comfort, healthfulness, and beauty of the home it gives its students in its halls and grounds.

The best proof of the merit of a college is in the character of the men it sends forth into the world, and the preparation it gives them for the business of life. The friends of Haverford could desire for it no better recommendation than the list of its old students and graduates.

The discussion which has been going on now for a generation in regard to the value of the classics and mathematics as disciplinary studies has confirmed, rather than shaken, the high estimate of their importance previously held. The

proposition is well established that for the best results in intellectual training certain definite curricula should generally be pursued, embracing these disciplinary studies, as well as sciences which present information applicable to the arts of practical life. At the same time a certain flexibility in these courses is desirable to adapt them to different classes of minds. "What is a weed?" asks a distinguished essayist, and replies, "A plant whose virtues have not yet been discovered." In the inflexible rigidity of the old-time college curricula, not a few persons were probably set down as stupid, who had some high powers of mind which they had no opportunity of developing. Liebig was for years the incorrigible dunce of his school, from his failure in Greek and Latin and mathematics, till his teacher, accidentally discovering his interest in chemistry, gave him facilities for that study, in which he became at length the greatest master of his time.

The first duty of a college is to keep up regular and full courses, for it remains to be the rule that the best minds are "good all round," and are benefited by a full and generous development. At the same time provision should be made to meet the true wants of any peculiar case, as discerned by judicious teachers, so far as it can be done without sacrificing the interests of the many to those of the few. Our practice conforms—and we believe very successfully—to these principles. Where there are courses, as here, for two different degrees, the partitions between them should be easily scaled, and liberty of substituting studies of one for those of the other should be readily granted.

The course of lectures in the last year was, as a whole, probably the most interesting ever had at Haverford. Two lectures on "Spectrum Analysis" were given by Professor Sharpless; one on "Weather Predictions," and one on "Meteorology," by Professor Pliny Earle Chase; two by

the President, one on "William Penn," in connection with the two hundredth anniversary of his landing, and one on the "Miracle Plays;" one on "Talks with Famous Men" by Charles Wood, of the class of 1870; a very interesting and instructive course of six lectures on "American History," by James Wood, of Mt. Kisco, N. Y.; a lecture on "Study, and the Men who have Won by it," by our honorary graduate Ellis Yarnall; one on "Local Institutions in America," by Herbert B. Adams, an Associate in the Johns Hopkins University; one by Commander J. R. Bartlett, Jr., attached to the hydrographic department of the United States Coast Survey, on "Deep Sea Soundings and the Gulf Stream;" and two by Professor Corson. of the Cornell University, on "Nineteenth Century Poetic Ideals, especially as illustrated by the Poetry of Browning and Tennyson."

Professor Thomas gave readings from English poets on three evenings. John B. Garrett and Joshua L. Baily addressed the students on "Temperance" at an afternoon meeting, at which remarks were also made by Professor Sharpless. Addresses by some of the professors at the public meetings of the Loganian Society deserve notice also among the occasions calculated to give intellectual enjoyment and instruction.

We are greatly indebted to Charles Wood, James Wood, and Ellis Yarnall, for their generous aid, and to some of our Managers and graduates for providing the means by which the services of the three lecturers unconnected with Haverford were secured.

In my survey of the affairs of the College in the past year I have only to add that seldom, if ever before, have the signs of religious life and interest among its members been more satisfactory.

THOMAS CHASE.

# ORDER OF THE PUBLIC EXERCISES OF THE JUNIOR CLASS.

FOURTH MONTH 13th, 1883.

- An English Oration, "Our National Character."
   ARTHUR DILWYN HALL, Lynn, Mass.
- 2. An English Oration, "Jefferson and Hamilton."

  ORBEN WILLIAM BATES,\* Oneco, Conn.
- 3. An English Oration, "John Colet."

  FRANCIS ALBERTSON WHITE, Baltimore, Md.
- 4. An English Oration, "The Future of the Democratic Party."

  Andrew Catherwood Craig, Philadelphia, Pa.
- An English Oration, "The Reign of Anne."
   CHARLES RICHARD JACOB, Mansfield, Mass.
- 6. An English Oration, "America and Rome."

  JARVIS HENRY BARTLETT,\* Atlantic City, N. J.
- An English Oration, "Independence of Character."
   ALFRED PERCIVAL SMITH, Germantown, Pa.
- 8. An English Oration, "The Political Influence of Invention."

  WILLIAM JONES HAINES,\* Cheltenham, Pa.
- An English Oration, "Will the French Republic Last?"
   LOUIS TABER HILL, Mt. Pleasant, Ohio.
- 10. An English Oration, "Romances of the Middle Ages."

  JOHN KILBOURNE LIST,\* Wheeling, W. Va.

  \* Resigned the privilege of speaking.

- An English Oration, "America for Americans."
   GEORGE VAUX, JR., Philadelphia, Pa.
- 12. An English Oration, "Biography, and its Relations to Daily Life."

  WALTER LINTON MOORE,\* Ercildoun, Pa.
- 13. A Latin Oration, "De Litteris Romanis sub Imperatoribus."

  THOMAS HERBERT CHASE, Haverford College, Pa.
- An English Oration, "The Sublime and the Beautiful."
   JOHN HENRY ALLEN, Union Springs, N. Y.

\* Resigned the privilege of speaking.

## ORDER OF EXERCISES AT COMMENCEMENT.

SIXTH MONTH 19th, 1883.

- 1. An English Oration, "The Apathetic Position toward Reform."

  THOMAS KIMBER WORTHINGTON, Baltimore, Md.
- 2. An English Oration, "Society and the Incorrigibles."

  SAMUEL BINES SHOEMAKER, Germantown, Pa.
- 3. An English Oration, "Political Duty."

  FRANCIS BACON STUART, Spiceland, Ind.
- 4. An English Oration, "A National Obligation."

  DAVID WILLIAM EDWARDS, Spiceland, Ind.
- An English Oration, "International Reform."
   FRANK ELWOOD BRIGGS, Winthrop, Maine.
- 6. Valedictory.

WILLIAM ALPHEUS WHITE, Red Cross, N. C.

## BACCALAUREATE ADDRESS.

PRESIDENT THOMAS CHASE.

CLASSICAL SECTION.
FIRST SCHOLAR.
BOND VALENTINE THOMAS.

SCIENTIFIC SECTION.

FIRST SCHOLAR.

DAVID WILLIAM EDWARDS.

## DEGREES WERE CONFERRED AT THE COMMENCEMENT IN 1883 AS FOLLOWS.

## BACHELORS OF ARTS.

JOHN BLANCHARD,
FRANK ELWOOD BRIGGS,
GEORGE HENRY EVANS,
FRANCIS BACON STUART,
BOND VALENTINE THOMAS,
THOMAS KIMBER WORTHINGTON.

## BACHELORS OF SCIENCE.

WILLIAM LOYD BAILY,
STEPHEN WILLETS COLLINS,
DAVID WILLIAM EDWARDS,
WILLIAM ELLIS SCULL,
SAMUEL BINES SHOEMAKER,
JOHN SPOTSWOOD SPRUANCE,
WILLIAM ALPHEUS WHITE,
CHARLES HENRY WHITNEY,
LOUIS BUTLER WHITNEY.

The following degrees were granted upon examination:

MASTERS OF ARTS.

L. LYNDON HOBBS.

Class of 1876.

JOSEPH RHOADS, JR.

Class of 1880.

The degree of MASTER OF ARTS was bestowed honoris causa on JAMES WOOD, HENRY N. HOXIE.

The degree of Doctor of Laws was conferred honoris causa on THOMAS FERRIS COCK, M.D.

## PROGRAMME OF RECITATIONS

FOR THE

## FIRST HALF-YEAR, 1882-3.

		SECOND-	DAY.		
	9.30-10.30		11-12	2-3	8-4
SENIORS	Scripture.		Butler's Anal.	Mechanics.	German.
a chiorm:		••••••	Anal. Geom.		Greek.
SOPHOMORES	44				German.
	**		Ethics.		
FRESHMEN	••	•••••	Latin.	Zoology.	Zoology.
		THIRD-I	DAY.		
	9–10	10-11	11-12	2–3	3-4
SENIORS	Latin.	Engineering.		French.	Greek.
JUNIORS	Des. Geom.	German.	Latin.		Hebrew.
CODITONIONEO	37-4 70L II	~	Physics.	Anal. Chem.	
SOPHOMORES	Nat, Philos.	German.	Greek.	4	Latin.
FRESHMEN	Greek.		Physics.	Anal. Chem. Zoology.	Zoology.
r maximum	Nat. Philos.	******	Geometry.	20010gy.	zoology.
-		FOURTH-	DAY.		
	9–10	10-11	11-12	2-3	3-4
SENIORS		10-11		Engineering.	
			Dance D IIII	man Braceriage	Astronomy.
JUNIORS	German.	Anal. Geom.	Rhetoric.	Anal. Chem.	Anal. Chem.
SOPHOMORES	German.	Latin.	Trigonometry.	Anal, Chem.	Anal. Chem.
FRESHMEN	Geometry.		Latin.		History.
	8.30-9.30	FIFTH-I 9.30-10.30	DAY. 11.00	2-3	
SENIORS	0.30-8.30	History.	Meeting.	French.	3-4 Latin.
JUNIORS	***************************************		Meeting.	r rench.	
	•••••••••••••••••	Physics.			Micoric.
80PHOMORES	Greek.	Drawing.	44	Zvology.	Zoolomi.
	Mech. Drawing.	Physics.			Zoology. Nat. Philos.
FRESHMEN	Geometry.	Drawing.	46		Greek.
	•				Nat. Philos.
		SIXTH-I			· · · · · · · · · · · · · · · · · · ·
SENIODO	9-10 Bhilesenhau	10-11	11-12	2–3	3-4
SENIORS	Philosophy.	Eccl. Hist.	Psychology.	•••••	Eccl. Hist.
JUNIORS	Anal. Geom.	French.	Geology.	Des, Geom.	Mechanics. Greek.
CORTACTOR	<b>-</b>		•••		Des. Geom.
SUPHOMORES	Eng. Literature.	Zoology.	Latin.	Mech. Draw.	
FRESHMEN	T -41		Zoology.		Mech. Draw.
TRESIDATEN	Latin.	••••••	Geometry.	•	Greek. Nat. Philos.
<u> </u>					
	8	EVENTE	-D A Y.		
	9-10	10-11			
SENIORS	Astronomy.	German.			
JUNIORS	Rhetoric.	German.			
CODITORS	T. 1	Hebrew.			
SOPHOMORES	Ethics.	Trigonometry	<b>:</b>		
FRESHMEN	latin.	Rhetoric, or H	ustory.		

N. B.—When the Scientific Course differs from the Classical, the subjects of the Scientific Department are printed in italics.

## PROGRAMME OF RECITATIONS

FOR THE

SECOND HALF-YEAR, 1882-3.

#### SECOND-DAY.

SENIORS	9.30–10.30 Scripture. "		11–12 English. Logic. Trigonometry. Latiu.		Palcy's Evid	
		THIRD-I	DAY.			
SENIORS	9-10 Latin. French.	10–11 Astronomy.	11-12 German.	2–3	3–4 Anatomy.	
JUNIORS		French.	German.	German.	Logic.	
SOPHOMORES		Hebrew. Latin. French.	Trigonometry.	German.	Chemistry.	
FRESHMEN	Latin.		Physiography, or Botany.		Greek. <i>Chem<b>istry</b>.</i>	
		FOURTH	-D A Y.		·	
	9-10	10-11	11-12	2-3	_ 3-4	
SENIORS	Engineering.	History.	Greek. Mechanics.	••••••	English.	
JUNIORS	Mineralogy.	Astronomy.	Organic Chem.	Calculus.	German.	
SOPHOMORES	Politics.	••••••••••••••••••	Greek. Organic Chem.	Latin.	German.	
FRESHMEN	Latin.			••••••	Geometry.	
		FIFTH-1	DAY.			
	8.30-9.30	9.30-10.30	11.00	2-3	3-4	
SENIORS		History.	Meeting.	Psychology.  Mineralogy.		
SOPHOMORES		French.	64	Minerary.		
00111014011120	Mech. Drawing.	Drawing.			French.	
FRESHMEN	Geometry.	Drawing.	44		Greek. <i>Chemistry</i> .	
		SIXTH-I	DAY.			
	9-10	10-11	11-12	2-3	8-4	
SENIORS	Latin.	German.	Psychology.		Eccl. Hist.	
JUNIORS	French. Hebrew.	Engineering. Latin. German.	Astronomy. Organic Chem.	Mech. Draw.	Mechanics. Greek. Mech. Draw.	
SOPHOMORES	Politics.	······································		Mech. Draw.		
FRESHMEN	Geometry.					

### SEVENTH-DAY.

	9-10	10-11
ENIORS	Anatomy.	Greek.
JUNIORS	Logic,	Calculus.
OPHOMORES	Trigonometry.	Paley's Evidenc
FRESHMEN	Latin.	History.

N. B.—When the Scientific Course differs from the Classical, the subjects of the Scientific Department are printed in *italics*.

# SUMMARY OF ACCOUNT OF . TREASURER OF THE CORPORATION

FOR THE YEAR 1882-3.

				R	ECE	IPT	S.						
									<b>\$</b> 316	4R			
Balance in hands	of A.	C. T	hom	as. St	h mo	. 1st	1889	<u>.</u> .	•		•	264	
Balance in hands of A. C. Thomas, 8th mo. 1st, 1882,											-01	٠.	
Income from T. P.	Cope	Fur	d.	•			-	•	•	373	23		
Income from E. Y	arnal	l Fur	ıd.				-			. 237	83		
Income from Library Fund 579 50													
Income from Library Fund,													
Income from John Farnum Memorial Fund, 1,746 53												0.070	4-
Donations. Balance of three years subscriptions, 2,650 00											9,070	40	
Subscriptions	for 1	881-2			•		,			. 3,400			
Subscriptions	for 1	882-3	ĺ.	•	•				•	450			
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Sundries, .	•	•	•	•	•	•	•	•	•	. 1,200			
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Incidentals, .										. 838	19	20,780	20
Incidentals, . Fuel and lights,	•	•	•	•	•	•	•	•	•	. 467			
1 uci una 1.g,	•	•	•	•	•	•	•	•	•			1,306	09
				D	AYM	Tr NY	re					<b>\$</b> 58,448	70
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Salaries, Provisions, .	:	•	•	•	•	•	•	•	•		•	13,624	27
Provisions, .	•	•	•	•	•	•	•	•	•		•	10,331	76
Wages,	•	•	•	•	•	•	•	•	•		•	3,726	
Repairs and Impr Repairs, Special,	очеще	enus,	•	•	•	•	•	•	•		•	3,309	
Printing and Stati	•		•	•	•	• '	•	•	•		•	700	
Sundrice and Inci-	donto	1.	•	•	•	•	•	•	•		•	1,582	78
Sundries and Inci-	util Hil	15,	•	•	•	•	•	•	•		•	2,024	
Farm and Garden Family Expenses, Fuel and lights, Laboratory and a	, .	•	•	•	•	•	•	•	•		•	325	
Fuel and lights	•	•	•	•	•	•	•	•	•		•	1,157	18
Laboratory and a	nnaro	tna	•	•	•	•	•	•	•		•	2,978 420	
Advertising	p Para	vus,	•	•	•	•	•	•	•		•	508	
Advertising, . Library, . Taxes, . Lawn, .	•	•	•	•	•	•	•	•	•		•	593	
Taxes.	:	:	•	•	•	•	•	•	•	• •	•	430	
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interest				:	:	•	•	:	•		•	1,226	
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Money temporaril	v inv	ested		:	•	:	:	•	•		•	7,783	
Money temporaril Balance in Treasu	rer's	hand	s. 9t	h mo	. 28tl	ı. 18	83.	:	•	· ·	•	134	
Balance in hands	of A.	C. T	hom	88. 9	th me	28	th. 18	883.	:		•	449	
				, 0			,	,	•	•	•		
												\$58,448	70

## REPORT

OF

## TREASURER OF HAVERFORD COLLEGE LIBRARY FUND.

## FOR THE YEAR ENDING 10th Mo. 9th, 1883.

						K	ECE	IPT	3.							
Balance, 1	loti	mo. 10	Oth,	188	2, .								\$330	94		
Income fre	om	investr	nent	8 an	d in	terest	on d	eposi	ts, .				597	06		
												-		_	<b>\$92</b> 8	00
						PA	YМ	ENT	S.							
Books,								´ .					455	94		
Periodical	8,												86	02		
Binding,													55	64		
Fuel.													82	50		
Freight ar													11	60		
												-		_	691	70
Balance, 1	.Oth	mo. 9t	h, 1	883,											<b>\$236</b>	30
		Ex	ami	ned	and	found	corı	ect.	10th :	mo. 9	th. 1	883.		=		=

HOWARD COMFORT.

## STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third day in the Tenth Month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth day in the Third, Sixth, Ninth and Twelfth Months.

## LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

## FORM OF A LEGACY.

I give and bequea	th (if personal)—devise (if real) to "The Corpora-
tion of Haverford. C	ollege," the sum of
	(or if real estate
describe it)	to have
and to hold, to them	, their successors and assigns, to the use of the said
" The Corporation of	Haverford College," their successors and assigns.

## SYLLABUS

OF

## SIX LECTURES ON PERIODS OF AMERICAN HISTORY,

DELIVERED AT HAVERFORD COLLEGE BY JAMES WOOD.

## I.-Pre-Historic Man in America.

THE "New World" to which Europeans came in the sixteenth century. Civilization and capabilities of the North American Indian. Nearly every evidence of his existence here obliterated. The immense earth structures of the Mississippi valley. They could have been built only by a very numerous people with a productive agriculture, with considerable mathematical and astronomical knowledge, having an acquaintance with the art of military defence, and probably employing slave labor. Animal mounds; mounds of worship, of observation, of defence, of sacrifice, and of burial. Resemblance of the latter to the mounds of western Asia. Their contents compared with the burial of Homeric heroes, and with that of Scythian kings as described by Herodotus. Older than Mycenæ. Ancient mining.

The cliff dwellers, and the ruined cities of Arizona, New Mexico, Utah, and Colorado.

Civilization of the Aztecs; their agriculture, manufactures, architecture, mathematical knowledge, computations of time, picture writing, religion and traditions. The Nahua nations.

Central American remains. Architecture and evidences of the oldest civilization upon the continent. The Maya alphabet.

Antiquity of man in America. The evidence of his remains in various localities, of his structures, of the two hundred American languages, and of cultivated plants: maize, tobacco, cotton, etc. His origin. 1. The autochthonic hypothesis goundless. 2. Evolution hopeless without catarrhine simiadæ. 3. Craniology, brachycephali and dolichocephali. 4. Architecture, inscriptions, etc. 5. Analogies of language, religion, and customs. 6. Evidences of both trans-Pacific and trans-Atlantic migrations. In the oldest ages, as now, America the meeting-place of mankind.

### II .- THE SETTLEMENTS.

Chinese, Venetian, and Welsh traditions. The Norsemen and the Icelandic sagas.

Condition of the maritime nations of Europe in the sixteenth century. The short road to India and Cathay. Adventures.

The Spaniards and the French Protestants in Florida. English enterprise. The Cabots. Sir Humphrey Gilbert. The Raleigh expeditions. The London Plymouth companies. The Virginia settlement. Captain John Smith. Powhattan. "The starving time." Lord De la Ware. House of Burgesses formed. Slaves introduced. The London company dissolved.

The French in Canada.

The reformation in England. Religious condition under James I. The Puritans. Their experience in Holland. The Plymouth settlement. Indian assistance. The settlement of Massachusetts Bay. Lofty aims. A religious, not a civil, commonwealth formed. High social position of the leaders. Charter. Harvard College founded. Roger Williams and complete toleration.

The Connecticut settlements.

The Netherlands. Great commercial companies. Henry Hudson. New Amsterdam. Trade with the Indians. The Walloons. English conquest.

The Swedes on the Delaware.

Sir George Calvert. Roman Catholic settlement. The Carolinas. John Locke's "Fundamental Constitutions." Aristocratic ideas. Slaves brought from the Caribbean Islands. Dutch, Huguenot, and Scotch settlements.

The Friends in New Jersey. William Penn. Sir George Cartaret. Robert Barclay. Scotch Presbyterians.

The Penn family. Pennsylvania founded. "The Quaker King," his noble character, his political wisdom, his religious toleration, his magnanimity, his disappointments.

General Oglethorpe and Georgia.

### III.—THE COLONIES AND THEIR GOVERNMENTS.

Causes of English emigration. Various motives of the settlers. Their common purposes. Loyalty to the British crown. Crown, charter, and proprietary governments.

The French and English in North America. The great problem of American civilization. The contest. Indian participation. Complete

victory of the English and its immense results. A turning point in modern history.

A century and a half of great activity in Europe. Gustavus Adolphus, Peter the Great, Frederick the Great. Shakespeare and Bacon, Milton and Locke, Newton and Dr. Johnson, Pitt, Burke, and Fox. Mental activity and independence of thought in the colonies. Colleges founded. The royal governors. Friction with the people.

The "town-meeting" in New England; Dutch independence in New York; the Friends in Pennsylvania; tobacco and aristocratic feeling in Virginia; Scotch-Irish spirit in North Carolina; prosperity and culture in South Carolina.

Growth and importance of the colonies. Experiences in united action. 1. In dealing with the Indians. 2. In the French and Indian war. 3. On account of England's arbitrary course.

Commercial restrictions. English policy. Causes of the Revolutionary War. 1. England's claim to arbitrary government. 2. The influence of France. 3. Disposition and inherited character of the colonists. 4. Growth of public opinion. 5. The personal character of the king. 6. Acts of Parliament against colonial liberty.

The Declaration of Independence a most hazardous undertaking. High principles involved. England's power.

### IV.—THE CONFEDERATION.

A congress composed of delegates irregularly elected, with no authority but that accorded by the consent of the people.

The colonies had had a governor, a council, and a legislature. Only the legislature remained. Some continued their charters, others hastily adopted imperfect constitutions. People jealous of executive authority. The common law of England and the statutes before in use declared binding. Great importance of the adoption of the common law.

Confederation discussed. Three great questions: 1. Voting in Congress as states or by representation; 2. Basis of raising troops and levying taxes; 3. Disposition of unoccupied lands—claims of different states. Articles of confederation adopted. All authority in one legislative body. No executive.

Disappointment in the confederation. Failed because it had no power to enforce its own decrees and to collect its taxes. Poverty and discontent at the close of the war. Decrees of courts resisted. Interstate disputes. Former federal governments—Greece, Germany, Switzerland, and Holland. Authority of the Amphictyonic Council; of the

Germanic Diet; of the Helvetic Alliance; and of the Dutch States-General. Importance of Swiss history.

First convention called by Virginia. A convention to frame a constitution agreed upon. Composed of many men of learning and great ability, representing the conservative sentiment of the country. Democracy had no representative. Great diversity of views. Conflicting interests. Danger of failure. Three great questions: 1. Voting in Congress by states or by representation; 2. White population the basis of representation; 3. The slave trade and navigation laws. Mutual concessions. Constitution finally completed. Violent opposition in the states. The Federalist. Hamilton, Madison, and Jay. Constitution ratified. The government formed. The wisdom of the fathers.

Ordinance for the government of the territories.

### V.—Acquisitions of Territory.

Boundaries of the United States, as fixed by the treaty of Paris.

The French in Louisiana. De Iberville's colony. France at the death of Louis XIV. The succession. The Duke of Orleans regent. John Law and the "Mississippi Bubble." Forced growth of the colony. The treaty of 1763 transferred Louisiana to Spain. Depression. Difficulties with Ohio and Kentucky settlers from interference with the river commerce.

Napoleon's alliance with Spain. Louisiana again belongs to France. The United States alarmed. Napoleon fears a war with England. Louisiana purchased. Extent and immense value of the territory acquired.

Spain ceded Florida to England in 1763. Greek and Italian settlements. Re-ceded to Spain after the Revolutionary War. Difficulties during the war with the southern Indians. Purchased by the United States. The Maine boundary. The Oregon boundary. "Fifty-four forty or fight."

Mexican independence. American settlers in Texas. Petition for admission as a Mexican state. Refused. Declaration of independence. Acknowledged by the United States, England, France, and Belgium. Twice refused admission into the American union. Admitted in 1845. Disputed claim to Coahuila. The Mexican War. Treaty of Guadalupe Hidalgo. New Mexico, California, Nevada, Utah, and Arizona purchased. "Gadsden's purchase." The Alaska purchase.

All our acquisitions have been by purchase, none by conquest.

### VI.—Immigration and Development.

Population when independence was gained. Widely-separated communities. Frontier settlements. Difficult to determine how much of the increase has been owing to natural growth and how much to immigration. Increase of population of European countries in half a century. Material and ideal causes of emigration. Abram and Lot. Northern migrations into the Roman empire. Modern emigration aided by steam navigation and railroads. America's attractions for Europeans. Numbers from various countries. Reasons for leaving Great Britain and Ireland. Influence of the military system on the continent. Remarkable increase.

Agricultural difficulties of the early settlers. The climate strange to them. All plants new. Everything an experiment. The first great advance was in the invention of the cotton gin; then the invention of harvesting machinery. Immense value of present agricultural productions. Exports. Colonial manufactures. Intelligence fostered by household industries. Manufacturers ruined at the close of the Revolutionary War. Present extent of manufactures.

In colonial times only iron ores had been mined, with small amounts of copper and lead. Coal first mined in Virginia. Discovery of coal in Pennsylvania. Gold and silver mining. Petroleum. Railroads. We have more miles than all Europe. Education. General education among the colonists. Colleges founded. The growth of the commonschool systems. Universal education the corner stone of the republic. Number of schools, of teachers, of scholars. Newspapers and magazines. Religion. The settlements were made at a time of great religious awakening. In New England only church members were citizens. The Dutch company was required to furnish good teachers and preachers. Presbyterians in New Jersey. Friends in Pennsylvania. Catholics in Maryland. Episcopalians in Virginia. Presbyterians in North Carolina. Huguenots in South Carolina. "Congress shall make no law respecting an establishment of religion or prohibiting the free exercise thereof." Religion and the state severed for the first time since Constantine. The organization of denominations. Great work of Sabbath-schools. The American Bible Society. The number of church members. Material, intellectual, moral, and religious advancement.

### CIRCULAR.

### HAVERFORD COLLEGE

is situated near HAVERFORD COLLEGE STATION AND POST-OFFICE (the first station east from Bryn Mawr), on the Pennsylvania Railroad, about nine miles west from Philadelphia.

THOMAS CHASE, A.B. (Harvard), A.M. (Harvard), LL.D. (Harvard), LTT.D. (Haverford), PRESIDENT, and Professor of Philology and Literature.

PLINY E. CHASE, A.B. (Harvard), A.M. (Harvard), LL.D. (Haverford), Professor of Philosophy and Logic.

ISAAC SHARPLESS, S.B. (Harvard), Sc.D. (University of Pennsylvania), Professor of Mathematics and Astronomy, and in charge of the discipline.

ALLEN C. THOMAS, A.B. (Haverford), A.M. (Haverford), Prefect, and Professor of Rhetoric, Political Science, and History.

LYMAN B. HALL, A.B. (Amherst), A.M. and Ph.D. (Göttingen), Professor of Chemistry and Physics.

EDWIN DAVENPORT, A.B. (Harvard), A.M. (Harvard), Professor of Latin and Greek.

CHARLES E. GAUSE, JR., S.B. (Haverford), Instructor in Mathematics, and Curator of the Museum.

HENRY CARVILL LEWIS, A.B. (University of Pennsylvania), A.M. (University of Pennsylvania), Lecturer on Geology and Palæontology.

WALTER A. FORD, M.D. (Jefferson College, Philadelphia), Director of the Gymnasium and Instructor in Physical Training.

CHARLES M. BURNS, JR., Instructor in Free Hand and Mechanical Drawing.

WILLIAM EARL MORGAN, A.B. (Penn College), A.M. (Penn College), Assistant in the Observatory.

WILLIAM F. WICKERSHAM, Assistant Librarian.

The COURSES OF STUDY are liberal and judicious, designed for thorough and generous training. The College has won a very high rank for the successful diligence of its Students and the fidelity and skill of its Professors. Its location, in the country, is remarkably healthful, its grounds extensive and attractive, and it provides for its members a pleasant and comfortable home. Endeavoring to promote sound moral, intellectual, and physical culture, it aims to be a Family of Christian scholars and gentlemen.

The GYMNASIUM is furnished with the apparatus of Dr. D. A. Sargent, Director of the Hemenway Gymnasium, Harvard University, and is under the direction of a competent instructor, a graduate of Jefferson Medical College, who gives systematic instruction, based upon careful personal examination, to each student desiring it.

Students living in Philadelphia or its neighborhood may visit their homes every week.

There are Three Terms in the year, commencing in 1884, First Month (January) 2d, Fourth Month (April) 28th, and Ninth Month (September) 17th, respectively. The next academical year will open Ninth Month 17th, 1884.

The price of Tuition and Board is \$425.00 per annum, payable to the Prefect one-half at the beginning, and one-half at the middle, of the College year. This charge includes rooms, fuel, lights, and the necessary furniture and attendance. Washing is charged at the rate of 75 cents per dozen. All articles of clothing, including overcoats, as well as towels, napkins, umbrellas, etc., must be marked legibly with the student's name in full. Text-books and stationery can be purchased at the College.

Each student must be furnished with an English Dictionary, a Classical Atlas, and a Classical Dictionary.

There is a telegraph office and an office of the Adams Express Company at Haverford College Station. At the Bryn Mawr Post-office there is a Money Order office.

### APPLICATIONS FOR ADMISSION

should be made to the President, Thomas Chase, LL.D., Haverford College P. O., Montgomery Co., Pa. Each candidate must forward together with his application, a certificate of good moral character from his last teacher; and students from other colleges must offer also certificates of dismission in good standing. Candidates will present themselves at the College for Examination, at 2 o'clock P. M., on Commencement Day, Sixth Month 24th, 1884, or at 9 o'clock on the morning previous to the beginning of the College term at which they desire to enter.

The College is open for the admission of the sons of Friends, and of

others, of all denominations, who are willing that their children should be educated in conformity with our Christian principles.

### REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

In Classics, a familiar knowledge of the paradigms and of the leading rules of Syntax in Latin and Greek Grammar, to be tested, in part, by writing sentences in Latin and Greek; acquaintance with Prosody, to be proved by scanning verses from Virgil; and, in general, ability to pursue the studies of the Freshman Class. Applicants will be examined in Cæsar, Cicero, and Virgil, and Xenophon or the Greek Reader, or in equivalents.

Those who enter for the Scientific Course are excused from the examination in Greek, and examined in the elements of *Physics* and *Botany*, or in studies deemed by the Faculty of equivalent value.

In Mathematics, a good knowledge of Arithmetic, including the Metric System, Algebra, as far as Quadratic Equations, and the first four books of Sharpless's Geometry or an equivalent, is required.

Candidates must be familiar with English Grammar and Composition, Spelling, Civil Geography, Physical Geography, the elements of Greek and Roman History, and the History of the United States. Acquaintance with the elements of the History of England is also desirable.

Certificates of examination from approved teachers will be accepted in place of our own examinations, so far as they cover the same ground.

Students may be admitted to advanced classes, if found fully prepared for admission to the *Freshman Class*, and also, on further and special examination, in all the regular studies of the Course up to the point at which they enter.

Several scholarships, varying in value from \$75 to \$300 per annum, are offered by the Managers to students standing in need of pecuniary assistance. Application for such aid must be made to the President; and candidates for scholarships must be thoroughly prepared in all the studies required for entrance.

The following is the Course of Study for the degree of Bachelor of Arts:—

### FRESHMAN YEAR.

New Testament, Sharpless's Geometry, Algebra, Xenophon and Herodotus, Homer, Review of Greek Grammar, Exercises in writing Greek, Livy, Horace, Review of Latin Grammar, Exercises in writing Latin, History of Ancient Literatures, History, Rhetoric, English Composition, Hygiene, Zoology, Physiography, Wood's or Gray's Botany, Drawing.

#### SOPHOMORE YEAR.

The Bible, Greek Testament, Trigonometry and Surveying with Field Practice, Navigation, Physics, Homer, Plato's Apology and Crito, The Prometheus of Æschylus, Exercises in writing Greek, Horace, the Germania and Agricola of Tacitus, Exercises in writing Latin, History, Dymond's Essays on Morality, Paley's Evidences of Christianity, English Literature, Themes, International and Constitutional Law, Eliot and Storer's Chemistry, Mineralogy, Drawing.

### JUNIOR YEAR.

Greek Testament, Analytical Geometry, Differential and Integral Calculus (elective), Analytical Chemistry (elective), Astronomy (with practice in the Observatory), The Antigoue of Sophocles, The Medea of Euripides, Thucydides, Exercises in writing Greek, Cicero's Tusculan Disputations and Somnium Scipionis, The Captives of Plautus, Pliny's Letters, Exercises in writing Latin, German, French, Whately's Rhetoric, Whately's Logic, Mental Philosophy, Political Economy, Themes, Geology, Mechanical Drawing (optional), Hebrew (optional).

### SENIOR YEAR.

#### REQUIRED STUDIES.

Greek Testament, Juvenal, Cicero's and Pliny's Letters, Latin Lyric Poetry (or an equivalent), The Ancient Pronunciation of Latin, Latin Composition, Keary's Dawn of History, Anglo-Saxon, Philological Study of the English Language, Milton's Areopagitica, Butler's Analogy, Barclay's Apology, Gurney's Observations, Arnold's Lectures on Modern History (or an equivalent), Guizot's History of Civilization in Europe, Seebohm's Protestant Revolution, Hallam's Constitutional History, Anatomy and Physiology, Themes, Forensics.

#### ELECTIVE STUDIES.

Analytical Mechanics, Differential and Integral Calculus, Advanced Physics, Astronomy with Observatory Practice, Civil and Sanitary Engineering, Demosthenes on the Crown, Greek Lyric and Pastoral Poets, Advanced Classical Philology, Writing Greek, Advanced Ger-

man, Advanced French, Advanced Psychology, Ecclesiastical History, English History, Hebrew, Drawing (Mechanical or Freehand).

The Course of Study for the degree of Bachelor of Science is similar to that for the degree of Bachelor of Arts, but requires no Greek, omits Latin after the Freshman year (if the students so desire), and substitutes advanced Scientific and Mathematical studies for the Classical.

For FURTHER INFORMATION, address Professor Allen C. THOMAS, *Prefect*, HAVERFORD COLLEGE P. O., Montgomery County, Pa.





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## REPORT.

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# HAVERFORD COLLEGE.



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# HAVERFORD COLLEGE.

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### THE MANAGERS

OF

# HAVERFORD COLLEGE.

TENTH MONTH 14TH, 1884.

PHILADELPHIA: OF CHARLES C. DOUGLASS.

SIXTH AND ARCH STREETS.

1884.

### CORPORATION.

# SECRETARY. CHARLES ROBERTS.

#### TREASURER.

### ASA S. WING,

No. 409 Chestnut St., Philadelphia.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
JAMES CAREY THOMAS,
PHILIP C. GARRETT,
JAMES E. RHOADS,
RICHARD CADBURY,
DAVID SCULL, JR.,
RICHARD WOOD,
ROBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,
GEORGE HOWLAND, JR.,

CHARLES HARTSHORNE,
JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
FRANCIS WHITE,
BENJAMIN H. SHOEMAKER,
HOWARD COMFORT,
WILLIAM S. TAYLOR,
WILLIAM PENN EVANS,
HENRY BETTLE,
JUSTUS C. STRAWBRIDGE,
ASA S. WING,
ELLISTON P. MORRIS.

SECRETARY OF THE BOARD.
HOWARD COMFORT.

### STANDING COMMITTEES OF THE BOARD OF MANAGERS.

### EXECUTIVE COMMITTEE.

JAMES WHITALL,
DAVID SCULL, JR.,
EDWARD BETTLE, JR., RICHARD CADBURY, PHILIP C. GARRETT, CHARLES ROBERTS,
JOHN B. GARRETT.
JUSTUS C. STRAWBRIDGE,
HOWARD COMFORT, ASA S. WING.

### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN,

T. WISTAR BROWN,
CHARLES HARTSHORNE.

JOHN B. GARRETT,
BENJAMIN H. SHOEMAKER, DAVID SCULL, JR.

### COMMITTEE ON ACCOUNTS.

CHARLES ROBERTS,

JAMES WHITALL. EDWARD BETTLE, JR.

### LIBRARY COMMITTEE.

RICHARD WOOD, EDWARD BETTLE, Jr.
PHILIP C. GARRETT, HOWARD COMFORT,
CHARLES ROBERTS, WILLIAM PENN EVANS.

### FARM COMMITTEE.

WILLIAM S. TAYLOR, DAVID SCULL, Jr.,

ROBERT B. HAINES, WILLIAM PENN EVANS.

#### MUSEUM COMMITTEE.

HOWARD COMFORT, CHARLES ROBERTS, DAVID SCULL, Jr., HENRY BETTLE,

ELLISTON P. MORRIS.

### VISITING COMMITTEES.

To Visit the College Monthly, and at such other times as each Committee may appoint.

#### FROM NINTH MONTH TO TWELFTH MONTH VACATION.

HOWARD COMFORT, WISTAR MORRIS, T. WISTAR BROWN, JAMES WHITALL,

RICHARD WOOD,
ROBERT B. HAINES,
PHILIP C. GARRETT,
JUSTUS C. STRAWBRIDGE,
ASA S. WING.

FROM TWELFTH MONTH VACATION TO FOURTH MONTH FIRST.

HENRY BETTLE,
JAMES CAREY THOMAS,
JAMES E. RHOADS,
FRANCIS T. KING,

WILLIAM R. THURSTON,
OMAS, DAVID SCULL, JR.,
CHARLES HARTSHORNE,
JOHN B. GARRETT,
BENJAMIN H. SHOEMAKER.

FROM FOURTH MONTH FIRST TO COMMENCEMENT.

RICHARD CADBURY, GEORGE HOWLAND, Jr., EDWARD BETTLE, Jr., CHARLES ROBERTS, FRANCIS WHITE, WILLIAM S. TAYLOR, WILLIAM PENN EVANS, ELLISTON P. MORRIS.

### FACULTY.

THOMAS CHASE, LL.D., PRESIDENT, AND PROFESSOR OF PHILOLOGY AND LITERATURE.

PLINY EARLE CHASE, LL.D.,
PROFESSOR OF PHILOSOPHY AND LOGIC.

ISAAC SHARPLESS, Sc.D.,
PROFESSOR OF MATHEMATICS AND ASTRONOMY,
AND DEAN OF THE FACULTY.

ALLEN CLAPP THOMAS, A.M.,
PROFESSOR OF RHETORIC, POLITICAL SCIENCE, AND HISTORY,
AND LIBRARIAN.

LYMAN BEECHER HALL, Ph.D.,
John Farnum Professor of Chemistry and Physics.

EDWIN DAVENPORT, A.M., Professor of Greek and Latin.

HENRY CARVILL LEWIS, A.M.,
PROFESSOR OF GEOLOGY.

THOMAS NEWLIN,
PROFESSOR OF ZOOLOGY AND BOTANY, AND CURATOR OF THE MUSEUM.

JAMES BEATTY, Jr., E.M., PROFESSOR OF ENGINEERING BRANCHES.

WALTER A. FORD, M.D., DIRECTOR OF THE GYMNASIUM AND INSTRUCTOR IN PHYSICAL TRAINING.

WILLIAM EARL MORGAN, A.M.,
Assistant in the Observatory and Instructor in Drawing.

WILLIAM F. WICKERSHAM,
ASSISTANT LIBRARIAN.

# REPORT OF THE BOARD OF MANAGERS

### THE CORPORATION OF HAVERFORD COLLEGE.

THE BOARD OF MANAGERS report that the College year of 1883-84 has witnessed encouraging progress in the interests of Haverford. The anticipations expressed in previous reports, that the labor and money expended would yield a steady gain in the number of students, have been realized.

There are now at the College eighty-five students, Number of Students. distributed as follows: Nineteen Seniors, twelve Juniors, thirty Sophomores, twenty-two Freshmen, and two Post Graduates. Of these, the new entries are, one Senior, one Junior, ten Sophomores, and twenty-two Freshmen. Included in the above are five day-students. This increase in numbers is gratifying, not only on account of the material support it brings to the College, but it affords good evidence Increased evithat the advantages Haverford offers as "the home ation. of sound culture and thorough training, of promises well-fulfilled, and of a wholesome domestic life," are being appreciated by a growing circle within our own Society, and by many others without, who are seeking an education under such influences.

At the last Commencement the degree of Bachelor Degrees conferred at Comof Arts was conferred upon seven, that of Bachelor mencement of Science upon three, and that of Bachelor of Letters

upon one of the members of the Senior Class. A certificate of mathematical scholarship was awarded to a member who had spent three years at the College, but not in a regular course. The degree of Bachelor of Arts was also conferred upon Horace G. Lippincott, of the class of 1862. The honorary degree of A. M. was given to Joseph Parrish, of the class of 1863, and to Elijah Cook, Principal of Oakwood Seminary, N. Y.; and the same degree, in course, was conferred upon James J. Levick, M. D. (1842), and upon Caspar W. Haines (1872).

Office of Dean of the Faculty created.

The Managers, during the past year, have considered a recommendation of the President that a Dean of the Faculty should be appointed, who, as an executive officer, should be charged with the business management, the discipline, supervision of professors and other officers, and the control of the domestic affairs of the College.

Prof. Sharpless appointed Dean.

The Board, on the recommendation of the President, have appointed Prof. Isaac Sharpless, as a person suitable to fill such a position, and willing to undertake the labor and responsibility involved, in addition to his duties as Professor of Mathematics and Astronomy.

All applications for admission are to be made to him, and the responsibility and duty of deciding them, under the rules of the Board, will rest with him.

President's duties unchanged. The powers and duties of the President will remain unchanged. He will be the literary head of the College, and its representative on public occasions;

and, consulting with the Faculty, will prescribe and direct the courses of study in the different departments.

The following appointments and changes have been made of professors and instructors:

Henry Carvill Lewis, A.M. (University of Penn-Changes in, and sylvania), last year Lecturer on Geology and Paleon-College Faculty. tology, has been appointed Professor of Geology, to give regular instruction in this department.

Thomas Newlin (University of Michigan), a teacher of experience, comes to us from Spiceland Academy, Ind., as Professor of Zoology and Botany, Curator of the Museum, and in charge of the discipline.

James Beatty, Jr., E.M. (Stevens Institute, Hoboken), has been appointed Professor of Engineering branches, Mechanical Drawing, and in charge of the Machine Shop.

Charles E. Gause, Jr., S.B., has resigned his position, to go to Harvard. Charles M. Burns, Jr., Instructor in Drawing, was released about the middle of the year; his position will be filled by William Earl Morgan, A.M., Assistant in the Observatory.

The other professors and instructors remain as last reported.

The College now offers three regular courses: a Three College course in Arts and Science, for the degree of Bachelor of Arts; a course in general Science and Literature, for the degree of Bachelor of Science; a course in practical Science and Engineering, for the degree of Bachelor of Engineering.

Course in Engineering.

the present term for the course in Engineering, which is likely to attract an increased number every year. This course is intended for those desiring an education through the agency of practical work in laboratories, machine shop, and draughting room, together with theoretical instruction, and a fair amount of such other training as will benefit personal character and give general culture. A machine shop has been finished and furnished with tools necessary for instruction in carpenters' and machinists' work.

A few students have entered at the opening of

Machine Shop.

The Laboratory and its improvements.

The Laboratory continues under the charge of Prof. Hall, the John Farnum Professor of Chemistry and Physics. Our valued Friend, Elizabeth H Farnum, by a thoughtful contribution, has enable the Board to enlarge and improve the accommods tions required by the increasing number of student in this department. Eighteen new working-table have been added, four fume closets and a slate sin constructed, and other changes made, so that thirty eight students can now work to better advantag than twenty did before the changes were made Last year thirty-two students received instruction in analytical chemistry, spending five hours a weel for a half year in the Laboratory. A smaller num ber received instruction during the entire year. class of twenty studied elementary chemistry during the second half year. The Laboratory now present an attractive appearance, and is equal in working efficiency to most laboratories of the same capacity

A large number of students have taken an active interest in physical science. Valuable and useful electrical measuring instruments have been added to this department, but we still need more apparatus of modern form, adapted to illustrate the progress in this branch of science. We record these improvements in detail, as grateful evidence of the usefulness of the gifts which have made them possible.

The additions to the Observatory, promised in our The Observatory and its additions last report, have been made. The new and first-class ten-inch equatorial refracting telescope, made by Alvan Clark & Sons, has been mounted on a pillar, which rests on a pier, in the usual equatorial form, so arranged that the revolution of celestial objects can be followed by motion about one axis only. The mechanical arrangements of the mounting, and the optical properties of the glass are excellent. helioscope, from Munich, and a spectroscope, from Dublin, complete the additions. The total cost, about \$4300, has been defrayed by the liberality of interested friends.

It was at first intended to mount the new tele-The new Observscope in the old Observatory, but through the generosity of one of the Board of Managers, a new building was erected, connected with the old one by a covered passage-way, and much better adapted in size and construction for the purpose than the former one would have been. This timely and valuable gift leaves our two old telescopes for the class work which forms part of the regular course, and reserves

the new one for the more delicate work of skilled observers.

Special course in Astronomy.

The College now offers, for the first time, a special course for students in astronomy. While the other duties of the Professor in charge necessarily limit his time for original work, the character of these recent improvements is such as to justify the expectation of the generous donors, that our Observatory will maintain and extend the reputation of the present director, and his assistant, for efficient work in this interesting department of knowledge.

Lectures at the College.

The officers of the College are encouraged to keep in mind the value of lectures by men of distinction and special attainments, as a means of imparting instruction and stimulating intellectual activity. Particular reference to those delivered in the past year will be found in the report of the President.

Results of work in Gymnasium.

The general good health with which the College has been favored during the past year corresponds to that which has been enjoyed in each of the fifty preceding years, and is doubtless owing in great measure to the favorable situation of the institution and the wholesome conditions of life in it. Yet we cannot but regard it in part as one of the benefits derived from having our Gymnasium fitted up with the most approved apparatus, and under the care of a trained physician who examines the condition and supervises the exercise of each student. To make this exercise more regular and systematic with some who have been found to need it most.

Increased requirements.

physical examinations and a certain amount of work will hereafter be compulsory for members of the Freshman and Sophomore classes. On this work grades will be given, to be averaged with grades from recitations.

Our lawn continues to show excellent results from The Lawn. the care of those who administer the fund for its improvement. All who enjoy the increasing beauty of our grounds since this fund was started five years ago, are under obligations to the committee of old students who have the matter in charge.

The total number of books at present belonging The Library. to the College Library is 10,302; besides these, 4522 volumes belonging to the Society libraries are accessible to all the students, making the whole number in our building 14,824 volumes. the past year the increase of the College Library was 528 volumes, of which 260 were purchased. 208 were presented, and 60 were periodicals bound up. Of the books given, 123 were from the library Donations to it. of the late Dr. William D. Stroud, class of 1843, presented by his son, Morris W. Stroud. Two boxes of Friends' books were presented by members of our Society in Great Britain. Our friend Julianna R. Wood has presented a number of large photographic views of Roman ruins, handsomely framed, which make a striking and appropriate addition to our Library.

The Library is open four hours daily, and can be Facilities for use consulted at any time on application to the Librarian

or his Assistants. Card catalogues of all the libration ries, indicating the titles of the books, and the su jects of leading articles in the reviews and other periodicals, render our resources thoroughly available

Librarian to

During the coming year the Librarian will devot stated hours to the special purpose of advising an assisting students in their reading, recommending courses of reading, and aiding in the investigation special subjects.

Need of more room.

Notwithstanding the addition of the gallery a fe years ago, the Library has again outgrown its accord modations, and in more than one department th The time should be anticipate shelves are full. when the whole building shall be devoted to Librar purposes, and its facilities greatly increased. Ou collection is well filled in most branches, but or

Deficient depart-friends are reminded that it is still deficient in moderate noted. ern editions of the classics, in philology, in atlase and maps, in botany and some other branches of th natural sciences, and in modern languages. Dona tions of Friends' books are particularly desired, t make our collection in this department as complet as possible.

The annual growth of our Museum continue small, and depends entirely on contributions from interested friends. We are again indebted to Davi Scull, Jr., for another addition to the collection of birds already presented by him.

Insurance re-arranged

The changes which have been made to the interio of Founders' Hall, and the increased value of the contents of some of our buildings, rendered a rearrangement of our fire insurance desirable. risks have been carefully fixed, with the aid of an expert, on a safe and equitable valuation.

The entrance to the lane from the Lancaster turn-Donation of granite entrance pike has been improved by the erection of a very handsome gateway and side walls of Port Deposit granite. The gate-posts bear the name of the College. This long-needed improvement is the gift of J. C. Strawbridge, to whom we are also indebted for a carriage shed, accommodating six teams, erected on the edge of the woods, near the north end of the Gymnasium.

The need of better school facilities near home, The proposed school. has been so much felt by residents along the line of the Pennsylvania Railroad, that a number of those interested have proposed to build, furnish, and present a suitable school building, provided the College would grant the use of the ground, appoint the head master, and exercise a general supervision over the The details of this proposal are still under Opened in temconsideration; but a school was opened in a rented building near the College station, but not on the grounds of the Corporation, on the 25th of Ninth month last, under the name of Haverford College Grammar School. The support given at the start promises to make the experiment self-sustaining and. eventually, profitable. Our officers have often felt the need of a boarding and day-school near Haverford, conducted in the interests of the College, with courses of study adapted to prepare students for

entering, to which they could refer the many parents who inquire for such preparatory instruction.

A. A. A. S. entertained on

Early in the year the Board were informed that grounds during the annual meeting of the American Association fo the Advancement of Science would be held in Phil adelphia, in the Ninth month, and that many mem bers of the British Association were also expected The Ladies' Local Reception Committee to attend. were desirous of providing an entertainment in the open air for these visitors, and Haverford College having been suggested, the Board granted the use o the grounds and buildings, under proper restrictions for this purpose. On the afternoon and evening o Ninth month 10th, during the long vacation, severa hundred members of these scientific societies joined a large number of the friends of the College in ex amining the buildings, and wandering over the grounds, which had been illuminated, and partaking of the hospitality of the committee. The occasion was one of pleasant interest to all who took part and we believe Haverford will reap benefit by thu widening the circle of its friends in this community and also from being introduced under favorable cir cumstances to prominent visitors, many of them engaged in the work of education, and nearly al thoughtful and influential members of society.

Semi - Centennial celebration.

The celebration of the fiftieth anniversary of the opening of Haverford School, in 1833, took place at the College on the 27th day of Tenth month last. under the auspices of the Alumni Association, from

whom we may expect a record worthy of an occasion of such interest in the history of Haverford. brief account of the occurrences of the day will be found appended to this report. A list was compiled Number of former students. of all former students, with their present addresses, if living, and noting such as were deceased. list, now printed, contains 1076 names, of whom 81 were students at the College last autumn, and 222 were deceased. Those who administer the affairs Interest maniof the College have been encouraged by the evidence given at the recent celebration, that this body of old students not only cherished the memory of the past, but felt an earnest desire that the Anniversary might result in some movement to strengthen the College and extend its usefulness. This feeling finally took A subscription to shape in a subscription toward a fund "to liquidate all claims existing against the Corporation to the end of the fiscal year, 1883-84, and the balance to be invested and used to cover deficiencies which may hereafter arise, or to provide for future needs of the College. Any subscriptions received in excess of \$50,000 to be invested and devoted to a fund for a new building in commemoration of the semi-centennial, so happily celebrated by the Alumni Association." The subscriptions to this fund now amount to \$47,035.00, a part of which is contingent on the whole amount of \$50,000 being raised. The success Its success of this movement, which is now assured, is a most gratifying evidence of the interest felt in the College by its friends. The many subscriptions received from former students are particularly welcome.

Financial results and prospects.

The amount already received from this subscription has enabled the Board to meet a large deficiency in the year just past, to reduce the indebtedness \$1800, and to carry to the next year a balance, with the prospect of extinguishing the debt in the near future. With an increased income from board and tuition, and continued carefulness in expenditures the Board believe that during the coming year the present indebtedness, \$24,454.12, may be paid off and any excess of expenses over ordinary receipts provided for. The Treasurer's Report and that of the Library Fund, for the past year, are submitted with this report.

Need of contributions for special purposes.

As noted elsewhere, there are many directions is which special contributions for particular purpose would be most useful. The endowment of Profess orships, on a basis liberal enough to secure perma nently the services of able teachers, and the establishment lishment of scholarships, are of vital importance t the development and well-being of the College The library, the apparatus, the museum, and the grounds, all call for expenditures largely in exces of the sums we can annually devote to them. Th prospect of a steady increase in the number of sta dents also reminds us that additional special expense must, in time, be incurred if the promise of th To those who have unfa future is to be realized. teringly supported Haverford in the past, and t those others who are coming forward in the sam work, these needs of the College, present and pros pective, may be safely committed.

Our Friend Elizabeth H. Farnum has contributed Donation. \$1000 to assist in paying the board and tuition of such students, members of our Society, as intend to become teachers. Such assistance, wisely bestowed, not only benefits the recipient, but aids the College by adding a valuable class of students. Free schol-Scholarships. arships are desirable in some cases, but it is our preference, rather, to assist by means of partial scholarships a larger number in obtaining the advantages of a college education. The endowment of competitive scholarships at Haverford, available for the best students of Friends' schools, intending to be teachers, would be of great value, and should be kept in view by the friends of education in our Society.

It has been fourteen years since the present Increased value and cost of an charges at Haverford were fixed. In that time, education at besides the erection and fitting-up of Barclay Hall, many thousand dollars have been expended in improvements which add to the comfort of the students, or strengthen the efficiency of the College in all departments of instruction. These changes were necessary to bring the College up to the educational demands of the day, and the growth in our numbers indicates that they have been appreciated. growth, and these changes, have necessarily increased our running expenses, and obliged the Board to consider the propriety of an advance in the charges for board and tuition, that would more nearly cover the actual cost. The Managers believe that an advance advance that an advance that are described by the control of the control of the cost.

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of \$75.00 per annum is justified by a fair comparison with the charges and expenses at institutions This advance will materially benefit equal rank. our finances and aid us to maintain the present fire

Assistance from scholarships.

class equipment of the College. Friends and other who may find these charges burdensome, are invit to apply for assistance by partial scholarships, fro the income of funds available for this purpose.

Death of Edward L. Scull.

In the Sixth month last, our beloved Friend a valued colleague, Edward L. Scull, was removed death. Graduated from the College in 1864, he, t years later, became a member of this Board, and long as health permitted, he bestowed a wise libe ality and diligent attention upon the interests Haverford. His fine mental attainments, the Chris ian graces of his character, and his deep and lasti interest in the welfare of young men, qualified h

A bequest.

in a peculiar degree for this service, wherein his lo will long be felt. By his will he bequeathed to t Corporation \$10,000, to be added to the endowment or "general fund."

Care of the Faculty.

We must again bear testimony to the diligen of the Faculty in discharging the various duties co mitted to them, and our appreciation of the fideli with which they have kept in view the best interes -spiritual, moral, and intellectual-of those plac

ents and others.

Support of par-under their care. We ask for the support, the co fidence, the Christian sympathy, and above all, f the prayers, of parents and others, that those wi are charged with the interests of Haverford ma seek for the guidance of Him who has blessed us with whatever measure of success has crowned our efforts.

With this aid we may hope to realize the desire With of John G. Whittier in a letter to President Chase, "that Haverford may fully realize and improve its great opportunities, as an approved seat of learning, and the exponent of a Christian philosophy which can never be superseded, which needs no change to fit it for universal acceptance, and which, overpassing the narrow limits of sect, is giving new life and hope to Christendom."

By direction of the Board,

HOWARD COMFORT,

Secretary.

PHILADELPHIA, 10th mo. 18th, 1884.

# THE SEMI-CENTENNIAL CELEBRATION.

THE FIFTIETH ANNIVERSARY of the opening of Haverford School occurring on First day, was celebrated on Seventh day, Tenth month 27th, 1883, at the College. The committee, in the name of the Alumni Association, invited all surviving ex-students, whose addresses were known, all the undergraduates and their parents, all members of the Corporation, former Professors and Officers of the School or College, and a limited number of interested friends. Those receiving invitations were requested to notify the committee of any members of their immediate families whom they desired to bring with them.

The morning was devoted to cricket, base ball, and lawn tennis, in accordance with the ample arrangements of the sub-committee on athletic sports. A collation was served about noon in the dining-room and classrooms, on the first floor of Founders' Hall, after which a photograph was taken of many present, grouped on the lawn in front of Barclay Hall. An exhibition game of Rugby foot ball, given by the undergraduates, followed, and was witnessed with intense interest. At 3.30 P. M. the annual public meeting was held in Alumui Hall, at which an address of welcome was delivered by President Chase, followed by the poem of Francis B. Gummere, Ph.D., of New Bedford, Mass., and the annual oration, by the orator of the year, John B. Garrett, of Philadelphia. The Hall and the Library were crowded, and many were unable to gain entrance to the building. At the close of the meeting, an oil portrait of Prof. Pliny E. Chase was presented to the College by Francis G. Allinson, Ph.D., of Baltimore, on behalf of the Class of 1876, and accepted by President Chase.

In the evening the grounds near the buildings were brilliantly illuminated with Thomson-Houston electric lights. Supper was served at 7.30 P. M., in Founders' Hall, from the steps of which, short and pointed speeches were afterward made by members of the Alumni Association and invited guests. Extracts from many letters, regretting inability to be

present, were read. All expressed the warmest interest in the present and future prosperity of Haverford.

The attendance of former students was very large, both members of the first graduating class being present, and representatives of most, if not all, subsequent classes. No count of the number present was attempted, and estimates vary from 900 to 1200. Probably nearly half of the number were former students. The list of students, from the opening of the School to Tenth month 27th, 1883, contains 1076 names, 81 being on the College roll at the time of the celebration, and 222 deceased.

The refreshments were provided by a caterer from Philadelphia, who took entire charge, relieving the College authorities of all care and responsibility. The liberal and satisfactory manner in which the caterer performed his duties, contributed largely to the success of the occasion.

## REPORT OF THE PRESIDENT,

FOR THE YEAR 1883-4.

### To the Board of Managers:

THE academical year of 1883-4 is perhaps unsurpassed in interest by any other in the history of the College. Its most prominent feature was the celebration of the half-hundredth Anniversary of the founding of the institution. The Committee of the Alumni who made and carried through the arrangements for this most pleasant and satisfactory celebration, are entitled to the thanks and congratulations of all the friends of the Col-Trusting that the events of the day will find a permanent record elsewhere, I will refer only to the impression, enforced upon the mind of every spectator and participant, of the great extent of the work Haverford has done and the influence for good she has exerted during the last fifty years. It was a day to awaken thoughts of gratitude to our Heavenly Father that He put it into the hearts of good men to found this College and that He has granted it so good a measure of prosperity and success, and to inspire the reverent and confiding prayer that He will continue His mercies and His blessing in days to come.

The recent rate of increase in the number of students was fully maintained, and the greatest number was reached which has been known in the history of the College. This result, due primarily to the excellence of the moral influences of the place and of the instruction given, the healthfulness and many attractions of our halls and grounds, and the home comforts abundantly furnished, has been gained in part by the judicious methods which have been used to make the College better and more widely known. The number of students at the opening of the new year is larger still, and we have every reason for confidence that the College will continue to grow in size as the years go on.

It is our well established policy to be conservative of old ways and at the same time ready to adopt any extension or modification which the wants of the age demand. The establishment some years ago of a scientific course, and, at the beginning of the academical year which is now opening, of a course in mechanical engineering, shows how ready we are to make the fullest provision for special practical studies. Our excellent chemical laboratory, our observatories, and the machine shop,—the worthy successor to the carpenter's shop, each presided over by a most skilful and accomplished professor, afford facilities which, for the immediate needs of students, are hardly surpassed at the best universities. education of the hands and senses is important for men of scholarly, professional, or commercial pursuits, as well as for engineers, manufacturers, and artisans. I trust that the opportunity will be given here to every one of our students, and not alone to those who pursue the engineering courses, to acquire a practical knowledge of the use of tools. appointment of permanent professors of Geology and of Zoology and Botany will doubtless lead to a greater interest in those departments of study. Our museum will be built up. dents will be taught how to observe for themselves, in the field

or woods or quarries, and in the laboratory. Increased facilities will be offered for microscopical study, dissections, analysis of plants, minerals, etc., and similar work. We have introduced the study of meteorology, regarding it as a useful one in cultivating habits of observation; and the students are exercised in making forecasts of the weather.

But it will not be denied that those studies yield to no others in importance which need no costly apparatus, no lab oratories or cabinets, although they do need true and earnest To walk in the groves of the Academy with Plato, "to sit on the same bench with President Hopkins," is worth at least as much as access to the best appointed and best directed laboratories and museums. There is one kind of apparatus, however, by which the best of teachers in literature and philosophy and the liberal arts are greatly aided, and that is good books. Our library has not been neglected. The generous care bestowed upon it has furnished it with the books most essential and most useful for promoting successful study, and fostering that most valuable mental quality, a taste and love I commend the library to the continued for good reading. favor and support of our friends, as inferior in importance and utility to no other department of the College.

While welcoming special studies, so far as we can do them justice, it behoves us to maintain the integrity of our degree of Bachelor of Arts. Neither that degree at this College, nor the diploma of Haverford School, was ever awarded for a narrow and one-sided education, whether classical or scientific. The term "classical department" which has been used for convenience to cover candidates for this degree, is a misleading one and should be discarded. A better term would be "College."

giate Department," or "Department of Arts and Science." I recommend the adoption of the latter title. The department here is, and should be, no narrower than the old-time required course in the best American colleges: a course in which at least an elementary knowledge of the great truths of astronomy, physics, chemistry, and natural history, is held to be as essential as a knowledge of any of the arts or languages, ancient or modern. That classical studies should continue to be required for this degree at Haverford is an undisputed proposition.

In regard to the degrees of Bachelor of Science and Bachelor of Engineering, the first requisite is to make the course of study in the specialties they require so thorough and effective as to give these degrees a real and solid value, which will win recognition in the scientific world. Hardly less important is it to secure for each recipient of them as large an amount as practicable of general and liberal training. This problem has its difficulties, especially in the course in engineering; but we shall endeavor to solve them as satisfactorily as may be.

The permission to students in the scientific department to take up Greek, which we granted several years ago, has been found to work advantageously. A number of scientific students have prepared themselves to pursue the study of the Greek Testament in the Junior and Senior years. Two students who began Greek at the beginning of last year read a considerable amount of Xenophon and the Greek Testament, and were able in the last half-year to recite with the Freshmen in Homer, passing the written examination very satisfactorily. A knowledge of the elements of Greek would seem to be par-

ticularly desirable for scientific students, as the nomenclature of the sciences is so largely derived from that language.

A voluntary class in Italian, in the last half-year, read seven cantos of Dante's Inferno in the original. Neither Homer nor Virgil loses more when read only in an English translation than the great Tuscan Poet, whose melodious Italian has an inexpressible charm.

By taking, at the request of the class, two days for the public exercises of the Juniors before the spring vacation, we were enabled to give every member of the class an opportunity to write and speak and receive instruction in elocution and delivery. Eighteen of the nineteen members spoke; and the exercises on both days compared not unfavorably with the most successful of similar ones in former years. The value of such exercises is very great. They cultivate a manly self-possession and self-confidence, and teach a young man that it will be perfectly possible for him to face an audience of his fellow citizens whenever his own concerns or his interest in great public or moral questions may require.

The address given by Lord Coleridge to the students of the College was one of the most interesting incidents of the year. His subject was "the best books to read, and the importance of cultivating the memory." Although the address was almost unpremeditated and conversational in its tone, it was one of great and permanent value, from the justice and delicacy of its literary criticisms and the purity and elevation of its moral lessons. "I assure you," Lord Coleridge writes, "the recollection of Haverford College is in all ways most delightful." No Englishman that ever visited our shores has made a more favorable impression upon our people or left behind him a more enviable memory.

Professor James Bryce, M.P. and D.C.L., of the University of Oxford, delivered a very instructive lecture at the College on "History in Poetry, illustrated from Homer and Dante." Professor Corson, of the Cornell University, gave two subtile and discriminating lectures on English poetry, with very effective illustrative readings; Professor Henry Carvill Lewis, whose services we have fortunately secured as Professor of Geology, gave six valuable lectures on the Geology of South Eastern Pennsylvania; Jonathan Chace, M.C., and James Wood, kindly gave us very instructive and interesting addresses on a Protective Tariff; Charles Wood again favored us with an address, and offered useful suggestions on the questions, "What to read and how?" Professor Pliny Earle Chase delivered a lecture on Darwinism: President Chase one on Alfred Tennyson; Professor Thomas one on William Cowper; and Professor Davenport two on the Italian Republics. An instructive public lecture before the Loganian Society on Libraries and their history, by Lloyd Pearsall Smith, deserves The semi-centennial anniversary of the founding of the Loganian Society was the occasion of a delightful meeting of old members at the College, with interesting historical and literary exercises. Two ladies showed their interest in the welfare of the students by speaking to them one afternoon on the subject of Temperance.

On the retrospect of the year, I believe that a good amount of faithful work was done both by the teachers and the students, and that to all the members of the College, regarded as one Christian family, the Divine blessing was granted, calling for our humble and sincere gratitude.

THOMAS CHASE,

President of Haverford College.

# ORDER OF THE PUBLIC EXERCISES OF THE JUNIOR CLASS

### FIRST DIVISION.

### FOURTH MONTH 12TH, 1884.

- 1. An English Oration. "The Negro's Future."

  WILLIAM SAMUEL HILLES, Wilmington. Del.
- 2. An English Oration. "Music: its Uses and Abuses."

  CHARLES WINTER BAILY,\* Philadelphia, Pa.
- 3. An English Oration. "Self-Culture."

  SAMUEL BETTLE, Camden, N. J.
- 4. An English Oration. "Our Relations to England."

  JOHN JAY BLAIR, High Point, N. C.
- An English Oration. "The Reform Bill of 1832."
   WILLIAM TABER FERRIS, Poughkeepsie, N. Y.
- 6. An English Oration. "Feudalism in England."

  WILLIAM TIMOTHY HUSSEY, North Berwick, Me.
- 7. An English Oration. "Emerson as a Man."

  ARTHUR WINSLOW JONES, South China, Me.
- 8. An English Oration. "The American Citizen of the Future."

  JOSEPH LYBRAND MARKLEY, Marsh, Pa.
- 9. An English Oration. "History of Witchcraft in Europe."

  MARRIOTT CANBY MORRIS, Germantown, Pa.
- 10. An English Oration. "James Russell I owell."

  RUFUS MATTHEW JONES, South China, Me.

<sup>\*</sup> Excused from speaking the Oration.

#### SECOND DIVISION.

### FOURTH MONTH 18TH, 1884.

- An English Oration. "Politics as a Profession."
   Enos L. Doan, Valley Mills, Ind.
- An English Oration. "Savonarola."
   AUGUSTUS TABER MURRAY, New Bedford, Mass.
- 3. An English Oration. "Luxury and Civilization."

  WILLIAM FOSTER REEVE, Camden, N. J.
- 4. An English Oration. "Causes and Aims of Nihilism."

  MATTHEW TERRELL WILSON, Spiceland, Ind.
- Am English Oration. "Secret Societies."
   WILLIAM FREDERICK WICKERSHAM, Kennett Square, Pa.
- 6. An English Oration. "The Papacy in the Middle Ages."

  THEODORE WILLIAM RICHARDS, Germantown, Pa.
- 7, An English Oration. "Social Economy in America."

  ELIAS HENLEY WHITE, Raysville, Ind.
- 8. An English Oration. "Carlyle and his Critics."

  LLOYD LOGAN SMITH, Germantown, Pa.
- 9. An English Oration. "The Growth of Representative Government in Europe."

  AUGUSTUS HENRY REEVE, Camden, N. J.

## ORDER OF EXERCISES AT COMMENCEMENT.

**SIXTH MONTH 24TH, 1884.** 

1. A Latin Salutatory Oration.

THOMAS HERBERT CHASE, Haverford College, Pa.

- An English Oration. "Cortes and his Conquest."
   WILLIAM JONES HAINES, Cheltenham, Pa.
- 3. An English Oration. "The Revocation of the Edict of Nantes."

  CHARLES RICHARD JACOB, Mansfield, Mass.
- 4. An English Oration. "Wordsworth's Place in Literature."

  WALTER LINTON MOORE, Ercildoun, Pa.
- 5. An English Oration. "Practical Living in Work."

  ALFRED PERCIVAL SMITH, Germantown, Pa.
- 6. An English Oration. "Webster and Our Nationality."

  ORREN WILLIAM BATES, Oneco, Conn.
- 7. Valedictory.

LOUIS TABER HILL, Mt., Pleasant, Ohio.

### BACCALAUREATE ADDRESS.

PRESIDENT THOMAS CHASE.

CLASSICAL SECTION.

FIRST SCHOLAR.

JOHN HENRY ALLEN.

SCIENTIFIC SECTION.

FIRST SCHOLAR.

WALTER LINTON MOORE.

# DEGREES WERE CONFERRED AT THE COMMENCEMENT IN 1884 AS FOLLOWS.

### BACHELORS OF ARTS.

HORACE G. LIPPINCOTT.

JOHN HENRY ALLEN,

ORREN WILLIAM BATES,

THOMAS HERBERT CHASE,

WILLIAM JONES HAINES,

ARTHUR DILWYN HALL,

CHARLES RICHARD JACOB,

ALFRED PERCIVAL SMITH.

### BACHELORS OF SCIENCE.

LOUIS TABER HILL, WALTER LINTON MOORE. GEORGE VAUX, JR.

BACHELOR OF LETTERS. FRANCIS ALBERTSON WHITE.

The following degrees were granted upon examination:

MASTERS OF ARTS.

JAMES J. LEVICK, M.D., Class of 1842.

CASPAR W. HAINES, Class of 1872.

The degree of Master of Arts was bestowed honoris causa on

JOSEPH PARRISH, ELIJAH COOK.

### PROGRAMME OF RECITATIONS

FOR THE

### FIRST HALF-YEAR 1883-4.

		SECONI	D-DAY.	•	
	9.30-10.30		11-12	2-3	3-4
SENIORS	Scripture.	•••••	Butler's Anal.	Engineer'g	German.
UNIORS	Scripture.	•••••••	Anal. Geom.		
CODUCMODEC	Camina		Taskin.		German.
SOPHOMORES FRESHMEN			Ethics. Latin A.	Latin R	
rkeshmen	scripture.		Latin A.	Latin B.	——————
		THIRD	-DAY.		
	9-10	10-11	1 <b>I-12</b>	2-3	3-4
SENIORS	Latin.	Mechanics.	Psychology.	French.	Greek.
JUNIORS	Des. Geom.	German.	Latin.	Ele. Greek.	
CONTROL OF THE	37 . 20 !!			French.	Anal. Chem.
SOPHOMORES	Nat. Philos.	German.	Greek.	Ana.Chem.	
FRESHMEN	Greek		Physics. Geometry.		Anal. Chem. Physical Ge
r RESITMEN	Nat. Philos.		Geometry.	***************************************	I llysical Oct
		FOURT	H-DAY.		
	9–10	10-11	11-12	2-3	3-4
SENIORS	History.		Butler's Anal.	Engineer'g	Astronomy.
JUNIORS		German.	Anal. Geom.	Ana.Chem	. Ele. Greek.
			Mar Distan	4 61	Anal. Chem.
SOPHOMORES	Surveying.	German.	Nat. Philos.	Ana.Chem	. Greek. - Anal. Chem.
FRESHMEN	Latin A		Greek.	Latin B.	Rhetoric.
rkeshmen	Latin 11.	•••••	Nat. Philos.	Zami D.	Autoric.
		FIFTH	-DAY		
	8.30-9.30.		11-12	2-3	3–4
SENIORS		History.	Meeting.	French.	Latin.
JUNIORS	French.	Latin.	Meeting.	French.	Geology.
jonnom		Physics.	•		
SOPHOMORES	Greek.	Drawing.	Meeting.		Latin.
	Mec.Draw's	Physics.		• • • • • • • • • • • • • • • • • • • •	
FRESHMEN	. Geometry.	Drawing.	Meeting.		Rhetoric.
		SIXTH	-DAY.		
	9-10	10-11	11-12	2-3	3-4
SENIORS	. Philosophy.	Eng. Hist.	Mechanics.	•••••	Psychology.
	0 1	German.	Rhetoric.	Mec.Draw	Caral
JUNIORS	. Geology.	German.	Knetoric.	Mec.Draw	Mec. Draw
SOPHOMORES	Eng Lit.		Le Conte.	Mec. Draw	Mec. Draw
SOLIOMOKES	Dilg. Dit.		Nat. Philos.		Latin.
FRESHMEN	. Latin A.		Greek.	Latin B.	Geometry.
			Nat. Philos.		
		SEVENT	H-DAY.		
	8.30-9.30	9.30-10.3	0		
SENIORS	. Greek.	Astronomy.			
*******	Eng. Hist.	Dhataria			
JUNIORS		Surveying.			
SOPHOMORES FRESHMEN		Physical Ge	ography.		
I KESIIMEN	. LA(III.		~6.~p.,),		

N. B.—Where the Scientific Course differs from the Classical, the subjects of the Scientific Course printed in Ralics.

### PROGRAMME OF RECITATIONS

FOR THE

### SECOND HALF-YEAR 1883-4.

		SECONI	J-DAY.		
SENIORS	Scripture. Scripture.	10.30-11 Sanskrit.	Logic. Trigonometry	Italian.	3-4 History. Astronomy. Paley's Evid's Algebra.
		THIRD	-DAY.		
SENIORS I	9–10 Latin.	10-11 Astronomy.		2–3 Anatomy.	3-4 Calculus.
JUNIORS I	ortic	Anal. Chem. French.	Engineering. Anal. Chem. Greek.	•••••	Calculus.
JUNIORS	Jogie.	renen.	German.	••••••	French.
SOPHOMORES		Latin. French.	Trigonometry		Chemistry.
FRESHMEN I	Latin A.		Zoology.	Latin B.	Greek. Chemistry.
		FOURTE	I-DAY.		
			11-12	2–3	3-4
SENIORS	•	•		Greek.	Mechanics.  Physics.
JUNIORS A	•			•••••	Latin. <i>Physics</i> .
SOPHOMORES FRESHMEN I	Politics.	Latin.	German.	I sain D	Greek.
FRESHMEN 1	Lann A.		Algebra.	Latin B.	History.
		FIFTH	-DAY.		
SENIORSCa	alculus. His	story. Hebre	Meeting.	Anal. Chem.	3-4 Engineering. Anal. Chem.
SENIORSGI JUNIORSGI Ca SOPHOMORES GI	alculus. His reek. Fre alculus. reek. Dra	story. Hebre ench	w. Meeting.	French. French.	Engineering. Anal. Chem. German. Chemistry.
SENIORSGI JUNIORSGI Ca SOPHOMORES GI	alculus. His reek. Fre alculus. reek. Dra ech. Drag. Fre	story. Hebre ench wing ench.	w. Meeting Meeting Meeting.	French. Anal. Chem. French.	Engineering.
SENIORSGI JUNIORSGI CI SOPHOMORES GI	alculus. His reek. Fre alculus. reek. Dra ech. Drag. Fre	story. Hebre ench wing ench.	Meeting. Meeting. Meeting.	French. Anal. Chem. French.	Engineering. Anal. Chem. German. Chemistry. German.
SENIORSGI JUNIORSGI CI SOPHOMORES GI	alculus. His reek. Fre alculus. reek. Dra sch. Drag. Fre pology. Dra	story. Hebre ench	w. Meeting Meeting Meeting	French. Anal. Chem. French. Greek.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.
SENIORSGI JUNIORSGI CI SOPHOMORES GI	alculus. His reek. Fre alculus. reek. Drs coh. Drsg. Fre cology. Drs 9-10	story. Hebre ench	Meeting Meeting Meeting Menting 11–12 Greek.	French. Anal. Chem. French. Greek.  2-3 French.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.  3-4 Eccl. Hist.
SENIORS	alculus. His reek. Fre alculus. reek. Drues. Fre coology. Dra 9-10 Anatomy.	story. Hebre ench	Meeting Meeting Meeting Menting 11–12 Greek.	French. Anal. Chem. French. Greek.  2-3 French. Anal. Chem.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.  3-4 Eccl. Hist.
SENIORS	alculus. His reek. Fre alculus. reek. Dra sech. Draug. Fre coology. Dra  9-10 Anatomy.  atin. Physics. Physics.	story. Hebre ench	Meeting Meeting Meeting	French. Anal. Chem. French.  Greek.  2-3 French. Anal. Chem. French.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.  3-4 Eccl. Hist. German.
SENIORS	alculus. His reek. Fre alculus. reek. Dra sech. Draug. Fre coology. Dra  9-10 Anatomy.  atin. Physics. Physics.	story. Hebre ench	w. Meeting Meeting Meeting	French. Anal. Chem. French.  Greek.  2-3 French. Anal. Chem. French.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.  3-4 Eccl. Hist. German. Paley. German.
SENIORS	alculus. His reek. Fre alculus. reek. Dra seek. Physics. History.	story. Hebre ench	Meeting Meeting Meeting MeetingDAY. 11-12 Greek. Polit. Econ. Chemistry. Mech. Draweg Greek. Chemistry.	French. Anal. Chem. French. Greek.  2-3 French. Anal. Chem. French.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.  3-4 Eccl. Hist. German. Paley. German.
SENIORS	alculus. His reek. Fre alculus. reek. Dra reek. Dra sech. Dray. Fre cology. Dra  9-10 Anatomy.	story. Hebre ench	Meeting Meeting Meeting MeetingDAY. 11-12 Greek. Polit. Econ. Chemistry. Mech. Draweg Greek. Chemistry.	French. Anal. Chem. French. Greek.  2-3 French. Anal. Chem. French.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.  3-4 Eccl. Hist. German. Paley. German.
SENIORS	alculus. Hisreek. Fre alculus. reek. Fre alculus. reek. Drug. Fre coology. Draws. Fre coology. Draws. Anatomy. Anatomy. Anatomy. Alin. Physics. Greek. Physics. History. 8.30–9.30	story. Hebre ench	w. Meeting Meeting MeetingDAY. 11-12 Greek. Polit. Econ. Chemistry. Mech. Draw'g Greek. Chemistry. H-DAY.	French. Anal. Chem. French. Greek.  2-3 French. Anal. Chem. French.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.  3-4 Eccl. Hist. German. Paley. German.
SENIORS	sleulus. Histereek. Free Alleulus. Histereek. Free Alleulus. Histereek. Drawer. Free Dology. Drawer. Free Dology. Drawer. Free Alleulus. Physics. Greek. Physics. History.  8.30–9.30 Latin. Eccl. Hist. Logic.	story. Hebre ench	w. Meeting Meeting MeetingDAY. 11-12 Greek. Polit. Econ. Chemistry. Mech. Draw'g Greek. Chemistry. H-DAY.	French. Anal. Chem. French. Greek.  2-3 French. Anal. Chem. French.	Engineering. Anal. Chem. German. Chemistry. German. Chemistry.  3-4 Eccl. Hist. German. Paley. German.

N. B.—Where the Scientific Course differs from the Classical, the subjects of the Scientific Course are printed in  $\it Italics.$ 

#### THE CORPORATION OF HAVERFORD COLLEGE.

### SUMMARY STATEMENT OF RECEIPTS AND EXPENDITURE

FROM NINTH MONTH 28TH, 1883, TO NINTH MONTH 17TH, 1884.

				CEIP								
Balance in hands of	Treasur	er. 9th	mo.	28th.	1883						\$134	3
Balance in hands of	Prefect,	9th m	io. 28	th, 18	83.	٠.					449	7
Income from Genera	al Fund,			<i>.</i>					\$5,824	42		
Income from T. P. 0	Cope Fui	nd,							272	61		
Income from E. Yas	rnall Fu	nď,							281	44		
Income from General Income from T. P. C. Income from E. Yas Income from Librar Income from I. V.	y Fund,	•							669	64		
Income from T. P. C. Income from E. Ya. Income from Librar Income from I. V. V. Income from John I	Williams	on Fu	nd,						1,226	58		
Income from John I	Farnum	Memo	rial l	Fund.					1,376	38		
									<u> </u>		9,651	. (
Donations account. Donations account.	Deficie	ncy Fu	ınd. 1	882-8	3.				2,775	00	•	
Donations account.	\$50,000	) Fund	l. ´						16.370			
Donation for specia	l Labor	atory i	, mpro	veme	at, fr	om E	lizab	eth	•			
H. Farnum.					΄.				400	00		
Donation for Lectur	es, from	Stuart	Woo	od.					60	00		
Donations account	Lawn I	Tund		•					310	00		
Board and tuition, Laundry and station Rent of farm and he Laboratory and app Incidentals,		,		-							19,915	d
Board and tuition.									21.433	55		
Laundry and station	ierv.								2,786	39		
Rent of farm and he	ouse.		-			-			1.737	50		
Laboratory and app	aratus.			•	·				142	33		
Incidentals					·	•	-		1.023	74		
		•	•	•	•	•	•	•			27,123	5
Interest on Bank de	posits.			_			_	_			25	o
Principal of Investr	nents pa	id in b	elons	ing to	Ger	eral	Fund	l.	11.550	00		Ī
Principal of Investr	nents vd.	in bel	ong'g	to I. V	V. Wi	lliam	son F	"d.	3.233	33		
				,				-,	-,		14,783	9
Timerial of Investi												- OI
Timerpar or investi												ീ
Timerpar or Investig											<u> </u>	-
				TIDI						=	\$72,082	-
-	also one						<b>1–85</b> ),			=	<u> </u>	0
Salaries (including a		month					1–85),	, :			<b>\$72,0</b> 82	0-8
Salaries (including a Provisions, Wages		month	of C				1–85); ·	, .	:		\$72,082 \$15,936 13,870 3,333	88 8
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1–85); · ·	, .	:		\$72,082 \$15,936 13,870	88 8
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1–85);	, .	:	• • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848	0 8 8 0 3
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1-85); · ·	, .	:	• • • • •	\$72,082 \$15,936 13,870 3,333 1,501	0 8 8 0 3
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1-85),		:	• • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206	0 8 8 0 3 4 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1–85),		:	• • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206	0 8 8 0 3 4 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1–85);			• • • • • • • • • • • • • • • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201	880346
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1–85),	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910	0 8 8 0 3 4 6 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1–85),			• • • • • • • • • • • • • • • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304	8 8 0 3 4 6 1 1 2 9
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1-85);	,		• • • • • • • • • • • • • • • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304	0 8 8 0 3 4 6 1 1 2 9 6
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1-85);	,		• • • • • • • • • • • • • • • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304	0 8 8 0 3 4 6 1 1 2 9 6 8
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1-85);			• • • • • • • • • • • • • • • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304	0 8803461129686
Salaries (including a Provisions, Wages, Family expenses.	: :	month : :	of C				1-85);			• • • • • • • • • • • • • • • • • • • •	\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304	0 88034611296864
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appetationery, Printing and advertincidentals, Taxes, Interest, Repairs and improvement Lectures.	aratus, ising, ements,	month	of C	college	year	1884					\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304 848 1,470 4,568 1,519 185	0 8 8 0 3 4 6 1 1 2 9 6 8 6 4 4 9
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appetationery, Printing and advertincidentals, Taxes, Interest, Repairs and improvement Lectures.	aratus, ising, ements,	month	of C	college	year	1884					\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304 848 1,470 4,568 1,519 185	0 8 8 0 3 4 6 1 1 2 9 6 8 6 4 4 9
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appearance of the salar and garden, Laboratory and appearance of the salar and sala	aratus, ising, ements, its, insurance	month	of C	college	year	: 1884 		1,3	75.60, 1		\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304 848 1,470 4,568 1,519 185	0 8 8 0 3 4 6 1 1 2 9 6 8 6 4 4 9 0
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appearance of the salar and garden, Laboratory and appearance of the salar and sala	aratus, ising, ements, its, insurance	month	of C	college	year	: 1884 		1,3	75.60, 1		\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304 848 1,470 4,568 1,519 185	0 88034611296864490 2
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appearance of the salar and garden, Laboratory and appearance of the salar and sala	aratus, ising, ements, its, insurance	month	of C	college	year	: 1884 		1,3	75.60, 1		\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304 848 1,470 4,568 1,519 185	0 88034611296864490 20
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appearance of the salar and garden, Laboratory and appearance of the salar and sala	aratus, ising, ements, its, insurance	month	of C	college	year	: 1884 		1,3	75.60, 1		\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 1,201 1,221 1,910 673 1,304 4,568 1,470 4,568 1,519 185	0 8803461129686446 200
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appearance of the salar and garden, Laboratory and appearance of the salar and sala	aratus, ising, ements, its, insurance	month	of C	college	year	: 1884 		1,3	75.60, 1		\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 1,211 1,910 673 1,304 848 1,470 4,568 1,470 185 567 648 800 6,926	0 8803461129686440 2002
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appearance of the salar and garden, Laboratory and appearance of the salar and sala	aratus, ising, ements, its, insurance	month	of C	college	year	: 1884 		1,3	75.60, 1		\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,206 1,221 1,910 673 1,304 4,568 1,519 185 567 648 800 6,926 1,870	0 88034611296864480 20020
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appositationery, Printing and advertificationery, Taxes, Interest, Repairs and improvement Lectures, Premiums on Fire I	aratus, ising, ements, its, insurance	month	of C	college	year	: 1884 		1,3	75.60, 1		\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,201 206 1,221 1,910 673 1,304 848 1,470 4,568 1,519 185 567 648 800 6,926 1,870 137	0 8803461129686440 200207
Salaries (including a Provisions, Wages, Family expenses, Fuel and lights, Lawn, Farm and garden, Laboratory and appestationery, Printing and advertincidentals, Taxes, Interest, Repairs and improvement Lectures, Premiums on Fire I	aratus, ising, ements, its, insurance	month	of C	college	year	: 1884 		1,3	75.60, 1		\$72,082 \$15,936 13,870 3,333 1,501 2,848 1,206 1,221 1,910 673 1,304 4,568 1,519 185 567 648 800 6,926 1,870	0 8803461129686440 200207

<sup>\*</sup>Of this balance, \$5,500 belongs to principal of General Fund, and \$1,500 to I. V. Williamson Fund, awaiting investment in mortgages bought but not delivered.

# REPORT OF TREASURER HAVERFORD COLLEGE LIBRARY COMMITTEE.

FOR YEAR ENDING 10TH MONTH 13TH, 1884.

				RE	CEII	PTS					
Balance, 10th mo.	9th,	1883,								\$236 30	
Treasurer of Corp	orat	ion,								743 01	
Interest on deposi	ts,		•	•	•	•	•	•	•	3 01	\$982 32
				PA'	YME	NTS	3.				
Books, .										<b>\$4</b> 67 <b>09</b>	
Periodicals,										110 16	
Binding, .										66 42	
Fuel,										82 50	
Freight, printing,	and	expens	es ir	a Libr	ary,					13 05	
0 / 1 0/		•			•						739 22
Balance, 10th mo.	13,	1884,			•					=	\$243 10

# SUMMARY STATEMENT OF RECEIPTS AND EXPENDITURES ON ACCOUNT OF

### TELESCOPE FUND.

#### RECEIPTS.

Donations for purchase of new Telescope and other equipmer	ıt,		<b>\$4,305</b>	00
Donation for erection of new Observatory building, .			2,332	69
Interest on deposits,		•	33	08
			\$6,670	77
EXPENDITURES.				
Paid B. H. Lentz for erection of new Observatory building,			\$2,332	69
Paid A. Clark & Sons for ten-inch refracting Telescope,			3,900	00
Paid A. Clark & Sons for their expenses in setting it up, .			15	00
Paid J. W. Queen & Co. for Spectroscope, &c.,			407	<b>72</b>
Paid F. Gutekunst for views of Observatory,			10	00
Balance on hand,			5	<b>36</b>
			\$6,670	77

# STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth-day in the Third, Sixth, Ninth, and Twelfth months.

### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College, in the disposition of their estates by will.

### FORM OF LEGACY.

I give and bequeath (if personal)—devise (if real) to "The Corpor
ation of Haverford College," the Sum of
(or if real estate
describe it) to have
and to hold, to them, their successors and assigns, to the use of the said
"The Corporation of Haverford College," their successors and assigns.

### CIRCULAR.

### HAVERFORD COLLEGE.

THE College is situated on the Pennsylvania Railroad, nine miles west of Philadelphia.

#### FACULTY.

THOMAS CHASE, A.B. (Harvard), A.M. (Harvard), LL.D. (Harvard), Ltt.D. (Haverford), PRESIDENT, and Professor of Philology and Literature.

PLINY E. CHASE, A.B. (Harvard), A.M. (Harvard), LL.D. (Haverford), Professor of Philosophy and Logic.

ISAAC SHARPLESS, S.B. (Harvard), Sc.D. (University of Pennsylvania), Dean, and Professor of Mathematics and Astronomy.

ALLEN C. Thomas, A.B. (Haverford), A.M. (Haverford), Librarian, and Professor of Rhetoric, Political Science, and History.

LYMAN B. HALL, A.B. (Amherst), A.M. and Ph.D. (Göttingen), Professor of Chemistry and Physics.

EDWIN DAVENPORT, A.B. (Harvard), A.M. (Harvard), Professor of Latin and Greek.

HENRY CARVILL LEWIS, A.B. (University of Pennsylvania), A.M. (University of Pennsylvania), Professor of Geology.

THOMAS NEWLIN (University of Michigan), Professor of Zoology and Botany, and Curator of the Museum.

JAMES BEATTY, JR., E.M., (Stevens Institute), Professor of Engineering Branches.

WALTER A. FORD, M.D., (Jefferson College, Philadelphia), Director of the Gymnasium, and Instructor in Physical Training.

WILLIAM EARL MORGAN, A.B. (Penn College), A.M. (Penn College), Assistant in the Observatory.

WILLIAM F. WICKERSHAM, Assistant Librarian.

#### COURSES OF STUDY.

The following regular courses are given:

- I. Course in Arts and Science, for the degree of Bachelor of Ar
- II. Course in General Science and Literature, for the degree Bachelor of Science.
- III. Course in Practical Science and Engineering, for the degree of Bachelor of Engineering,

In the upper classes in all these courses, some election is allowed students, so that they may concentrate their work on special branches.

The course in the department of Arts and Sciences includes Lat Greek, and Mathematics (the latter two elective after the middle of t Junior year), the Modern Languages, Literature, History, Philosoph Logic, Rhetoric, Political Economy, and the natural and physical Science It is designed to give a broad and thorough culture.

The course in general science does not require Greek at all. Latin elective after the Freshman year. In place of these languages the stude receives additional instruction in modern languages, and in natural aphysical science. It is intended to give a general rather than a technic training.

The course in practical science is designed specially for engineers at those desiring an education through the agency of practical work laboratories, machine shop, and draughting room, together with theoretic and general study.

# Requisites for Admission to the Freshman Class in the Department of Arts and Sciences.

Classics.—Latin and Greek Grammar; four books of Cæsar; for books of Virgil's Æneid; four orations of Cicero; three books of Xenphon's Anabasis.

Mathematics.—Arithmetic; Algebra, to Quadratic Equations two unknown quantities; Geometry, three books.

English.—Spelling; Grammar; English Composition; Political Geography; Greek and Roman History; History of the United States.

## Requisites for Admission to the Freshman Class in the Scientific Courses.

The same as the above, with the omission of Greek, and the addition of the elements of Natural Philosophy, and Human Physiology. Engineering students may present German in place of the Latin.

The object of the above requisites is to test the ability of the candidate to pursue the studies of the Freshman Class. Equivalents may be substituted for the books mentioned. Any candidate whose examination indicates ability to advance with his class, will be allowed to make up deficiencies by extra work after admission.

#### SPECIAL ADVANTAGES.

Good Moral and Religious Influences.—Endeavors are used to imbue the minds and hearts of the students with the fundamental truths of the Christian religion, and to train them by the inculcation of pure morals and the restraints of a judicious discipline.

No student is admitted without a certificate of character from his last instructor, and none believed to be of low moral character is retained.

Thorough Scholarship.—The teaching is of high quality; the classes are small enough to allow regular performance of work and the opportunity for individual instruction. There is no preparatory department to distract the attention of the professors, or necessitate a stringent discipline. The absence of the constant distractions which attend life at most colleges, enables a large amount of work to be done, so that the standard of graduation is high.

Healthfulness of the Student Life.—In the large and beautiful lawn of sixty acres, every facility is given, right at the doors, for cricket, base ball, football, tennis, and other field games. There is a good Gymnasium fully equipped with the apparatus of Dr. Sargent, and under the care of a trained physician, who prescribes exercises in accordance with the physical needs of each student. The rooms are pleasant, the table and service good, and all the conditions wholesome. Two students occupy one study room, each of whom has his adjoining bed-room. There is also a number of single rooms.

#### FACILITIES FOR INSTRUCTION.

The Library contains about 15,000 volumes of carefully selected books, and is daily open to the free use of the students. The leading scientific and literary periodicals are taken in.

The Astronomical Observatory contains two equatorial telescopes of, respectively, 8½ and 10 inches aperture; two transit instruments; together with clocks, chronograph, and other appliances. It is largely used for class work.

The Chemical Laboratory has separate working-tables for thirty-eight students, and includes resources for practical work of various kinds.

The Machine Shop is furnished with a set of carpenters' and machinists' tools, including lathes, vises, forge, etc., with an engine and boiler.

The other departments of the College are well fitted-up with the necessary apparatus and furniture.

The price of Tuition and Board is \$500 per annum, payable to the Dean, one-half at the beginning, and one-half at the middle, of the College year. This charge includes rooms, fuel, lights, and the necessary furniture and attendance. Washing is charged at the rate of seventy-five cents per dozen. Text-books and stationery can be purchased at the College. Rooms are assigned in order of application. An officer will remain at the College during the summer months.

The next Collegiate year begins Ninth month 16, 1885.

Examinations for admission will be held at the College on Sixth month 23d, at 2 P. M., and Ninth month 15th, at 9.30 A. M.

For catalogues and information, apply to ISAAC SHARPLESS, Dean, Haverford College P.O., Montgomery County, Pa.

# REPORT.

# HAVERFORD COLLEGE.

1885.

## REPORT

 $\mathbf{or}$ 

### THE MANAGERS

OF

# HAVERFORD COLLEGE.



TENTH MONTH 13TH, 1885.

PHILADELPHIA:
PRINTED FOR THE COLLEGE.
1885.

# CORPORATION.

SECRETARY.
CHARLES ROBERTS,
No. 1716 Arch Street, Philadelphia.

TREASURER,
ASA S. WING,
No. 409 Chestnut Street, Philadelphia.

#### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
JAMES CAREY THOMAS,
PHILIP C. GARRETT,
RICHARD CADBURY,
DAVID SCULL,
RICHARD WOOD,
ROBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,
GEORGE HOWLAND, JR.,
CHARLES HARTSHORNE,

JOHN B. GARRETT,
EDWARD BETTLE, JB.,
CHARLES ROBERTS,
FRANCIS WHITE,
BENJAMIN H. SHOEMAKER,
HOWARD COMFORT,
WILLIAM S. TAYLOR,
WILLIAM PENN EVANS,
JUSTUS C. STRAWBRIDGE,
ASA S. WING,
ELLISTON P. MORRIS,
FRANCIS STOKES,
JAMES WOOD.

SECRETARY OF THE BOARD, HOWARD COMFORT, No. 529 Arch Street, Philadelphia.

# STANDING COMMITTEES OF THE BOARD OF MANAGERS.

#### EXECUTIVE COMMITTEE.

JAMES WHITALL,
DAVID SCULL,
EDWARD BETTLE, Jr.,
RICHARD CADBURY,
PHILIP C. GARRETT,

CHARLES ROBERTS,
JOHN B. GARRETT,
JUSTUS C. STRAWBRIDGE,
HOWARD COMFORT,
ASA S. WING.

### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN, CHARLES HARTSHORNE,

JOHN B. GARRETT,
BENJAMIN H. SHOEMAKER,
DAVID SCULL.

### COMMITTEE ON ACCOUNTS.

CHARLES ROBERTS,

ELLISTON P. MORRIS, FRANCIS STOKES.

### LIBRARY COMMITTEE.

RICHARD WOOD,
PHILIP C. GARRETT,
CHARLES ROBERTS.

HOWARD COMFORT, FRANCIS STOKES, JAMES WOOD.

### COMMITTEE ON FARM AND DWELLINGS.

WILLIAM S. TAYLOR, DAVID SCULL,

ROBERT B. HAINES, WILLIAM PENN EVANS,

ELLISTON P. MORRIS.

#### MUSEUM COMMITTEE.

CHARLES ROBERTS, DAVID SCULL

HOWARD COMFORT,
WILLIAM PENN EVANS,
N P MORRIS

ELLISTON P. MORRIS.

## VISITING COMMITTEES.

To visit the College monthly, and at such other times as each Committee may appoint.

### FROM NINTH MONTH TO TWELFTH MONTH VACATION.

HOWARD COMFORT, WISTAR MORRIS, T. WISTAR BROWN, JAMES WHITALL, RICHARD WOOD,
ROBERT B. HAINES,
PHILIP C. GARRETT,
JUSTUS C. STRAWBRIDGE,
ASA S. WING.

#### FROM TWELFTH MONTH VACATION TO FOURTH MONTH FIRST

ELLISTON P. MORRIS, JAMES CAREY THOMAS, FRANCIS T. KING, WILLIAM R. THURSTON,

DAVID SCULL,

S, CHARLES HARTSHORNE,

JOHN B. GARRETT,

N, BENJAMIN H. SHOEMAKER,

FRANCIS STOKES.

### FROM FOURTH MONTH FIRST TO COMMENCEMENT.

WILLIAM PENN EVANS, RICHARD CADBURY, GEORGE HOWLAND, Jr., EDWARD BETTLE, Jr., CHARLES ROBERTS, FRANCIS WHITE, WILLIAM S. TAYLOR, JAMES WOOD.

### FACULTY.

THOMAS CHASE, LTT.D., LL.D., PRESIDENT, AND PROFESSOR OF PHILOLOGY AND LITERATURE.

> PLINY EARLE CHASE, LL.D., PROFESSOR OF PHILOSOPHY AND LOGIC.

ISAAC SHARPLESS, Sc.D., DEAN,
PROFESSOR OF MATHEMATICS AND ASTRONOMY.

\*ALLEN CLAPP THOMAS, A.M., LIBRARIAN, PROFESSOR OF HISTORY, POLITICAL SCIENCE, AND RHETORIC.

LYMAN BEECHER HALL, Ph.D.,
John Farnum Professor of Chemistry and Physics.

SETH K. GIFFORD, A.M., PROFESSOR OF GERMAN AND LATIN.

EDWIN DAVENPORT, A.M.,
PROFESSOR OF HISTORY, POLITICAL SCIENCE, AND RHETORIC.

\*HENRY CARVILL LEWIS, A.M., PROFESSOR OF GEOLOGY.

THOMAS NEWLIN, S.B.,

Professor of Biology, Curator of the Museum, and in Charge of the

Discipline.

JAMES BEATTY, Jr., M.E., PROFESSOR OF ENGINEERING.

WALTER A. FORD, M.D.,
INSTRUCTOR IN PHYSICAL TRAINING, AND DIRECTOR OF THE GYMNASIUM.

ALPHONSE N. VAN DAELL, LL.D., INSTRUCTOR IN FRENCH.

JOSEPH L. MARKLEY, A.B.,
ASSISTANT IN THE ASTRONOMICAL OBSERVATORY.

HOWARD F. STRATTON,
INSTRUCTOR IN FREE-HAND DRAWING.

\* Absent for one year in Europe.

### REPORT OF THE BOARD OF MANAGERS

OF

### THE CORPORATION OF HAVERFORD COLLEGE.

The Board of Managers report that the year of 1884-85 has been one of unusual interest in the history of the College.

The increase in the number of students noted in College our last Report was well maintained throughout the year, and we believe that, under the judicious care of the officers in charge, the amount and quality of work done was fully up to the honorable standard of the past.

At last Commencement fifteen Seniors received Degrees contended the degree of A. B. and four the degree of S. B. This is the largest class ever graduated, and its members left us with a high average of ability and scholarship.

The honorary degree of Master of Arts was conferred upon Robert H. Chase, M. D. (1867), and upon Julius L. Tomlinson (1873), and the same degree in course was given to Henry L. Taylor, M. D. (1878), and to George A. Barton (1882). Thomas Newlin, formerly of Earlham College and the University of Michigan, received the degree of S. B.

The present number of students at the Col-Number of students at the Col-students. lege is ninety-three, distributed as follows: Eleven

Seniors, twenty-six Juniors, twenty-four Sophomores, thirty Freshmen, and two Graduates. Of these the new entries are five Juniors, eight Sophomores, twenty-nine Freshmen, and one Graduate student. Included in the above are six day-students.

Faculty,

Our Professors and instructors remain the same as last year, with the exceptions noted in the President's Report.

Dean

The appointment of a Dean of the Faculty, to have charge of the business management of the College, has been followed by good results; and the fidelity with which Professor Sharpless has discharged the responsibilities of the position, in addition to his duties as Professor, calls for our grateful acknowledgment.

Changes in the Board of Managers.

Our friend James E. Rhoads has felt obliged, on account of the pressure of other engagements, to resign the seat he has so long and acceptably filled as a member of this Board. John T. Morris and Henry Bettle also desired to be released. These resignations were accepted, and Elliston P. Morris and Francis Stokes, of Philadelphia, with James Wood, of Mount Kisco, New York, were appointed to fill the vacancies thus created.

Visiting Committees

In order to secure more thorough visiting of the College than could be attained by the old system of small Committees, the membership of the Board has been divided into three Committees, who have visited the College during their terms of appointment and made written reports of their observations to each stated meeting.

The Grammar School, opened last autumn in Grammar School, temporary quarters near the College station, was attended by twenty-seven pupils. During the year the residents of the vicinity, having subscribed a sufficient sum for the erection of a commodious and attractive school building, a Committee of the Board approved of the plans and selected a situation in the field adjoining the Lancaster turnpike. This position is accessible to the railroad station and the public highways, and sufficiently removed from the College to preserve the privacy of the buildings and surrounding The new school-house has been fingrounds. ished, and was opened Ninth month 16th last, with forty-five scholars, under the charge of Charles S. Crosman, Head Master, a graduate of the College and a teacher of experience, who assumes all responsibility for the business management. By the action of the subscribers the school building has become the property of the Grammar School build-Corporation, without imposing any obligations on ing. the College; but it is expected that, in recognition of the liberality and confidence thus indicated, the Corporation, through a Governing Committee of its Board of Managers, will appoint the Head Master and see that the School is conducted so as to secure the objects of its founders. In giving better educational advantages to the vicinity it will attract increased interest in and support for the work of the College.

The increase of the College Library during the The Library. year was 502 volumes, of which 337 were purchased, 102 presented, and 63 periodicals bound

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up, making the total number of volumes 10,804. The Society Libraries contain 4,720 volumes, so that the entire number of books in the building is 15,524. During the absence of Professor Thomas abroad, Professor Davenport will act as Librarian and continue the assistance recently given to students in their courses of reading, with advice as to the most intelligent use of literary collections. We are indebted to Emma C. Yarnall for a gift of President Chase presented to valuable books. the Library, on the day the Revised Bible was published in America, a presentation copy of the work in six handsome volumes, containing the Oxford edition of the Old and New Testaments Oil portrait. in the Revised Version. The oil portrait of President Chase, presented to the Corporation on

Donations acknowledged.

Commencement Day by a number of his early pupils, is a notable addition to Alumni Hall and the Library. The present building has been used for the joint purposes of a Hall and Library for twenty years, and the annual growth of the latter has obliged us to encroach so much on the limited space of the Hall that we can now neither comfortably seat the

visitors who gather on public occasions nor dis-

tribute our books in their proper classes.

New Hall wanted

A Hall where the audience could all assemble in one room, furnished with chairs or permanent seats, built in connection with offices and a classroom for the President, would be a most useful addition to our present buildings.

The Machine Shop has been entirely remodeled, Machine Shop im-provements. and a number of friends have presented and set

up a substantial ten-horse-power engine and twelve-horse-power boiler with all the requisite fittings. The sixteen students now entered in this department evince lively interest in their work and propose to begin with Professor Beatty a series of visits of inspection to machine shops, iron and steel works, bridges, piers, etc.

The Museum has received from the United States Donations to the Museum, National Museum an educational series of about 150 specimens of Marine Invertebrates. Friends have presented 125 native birds unmounted, for class use in identification and classification. The most valuable gift the department of Natural History has received has been 12 compound and 1 dissecting microscope, so that students now have the use of 15 microscopes. The minerals have been relabeled, classified, and arranged. It is not necessary to have a collection for display, but a good working collection is highly desirable. To complete this, skele-14 wants. tons to illustrate Comparative Anatomy, and fossils to accompany the study of Geology, are much needed. Specimens in any line of Natural History will be received and properly cared for by the Professor in charge.

The valuable apparatus of the Observatory is the Observatory in excellent working order. Eight Seniors have taken advanced Practical Astronomy with regular observatory work, and the Juniors have had occasional practice in connection with their Descriptive Astronomy.

The improvements recently made in the Chemi-The Chemical Department have enabled the students to do ment. laboratory work to better advantage than ever be-

fore. At present the desks are all occupied. We hope some future Report will record such additions to the apparatus as will increase the efficiency of the Department of Physics.

The Gymna-

The practical results of requiring a certain amount of systematic exercise in the Gymnasium, under the care of a competent Medical Director, who examines into the strength and physical condition of each student, continue to be satisfactory in preserving general health and imparting a good degree of vigorous power for work, which is of as much importance as the amount of work done.

Sewerage.

A complete change has been made in the sewerage. Pipes have been laid from both Halls and the Laundry to a point in the field beyond the farm-house, where the situation and the nature of the soil appear best adapted to secure quick and safe distribution.

The water supply.

The water supply for the College having been occasionally interrupted by the wheel getting out of order and by breaks in the race bank, an independent source of power has been provided by putting in a Worthington steam pump and boiler.

Improvements. The upper stairway and entry of Barclay Hall have been wainscoted in yellow pine and all the rooms on the third floor neatly papered. The heating and plumbing system of both Barclay and Founders' Halls have been carefully inspected and some needed changes made. The Laundry has been thoroughly refitted with new piping, tubs, and woodwork. An asphalt walk has been laid over part of the path leading from Barclay Hall to the station, by a contribution from the Lawn Fund. The fore-

going details explain a larger expenditure than usual for repairs and improvements, most of which were necessary and all of permanent usefulness.

In the Tenth month last the Managers approved Advance in of the advance in our charges recommended in our last Report, to take effect at the opening of the next College year. Notice was at once issued to those interested, explaining the reasons and necessity for the change, and inviting any who desired scholarship assistance to make confidential application to the Dean. So far as known, the change has not prevented any from entering, and the increased revenue derived therefrom, with the present attendance, will prevent any continuance of a large annual deficit.

As indicated in the last Report, the \$50,000 fund the \$50,000 fund the \$50,000 fund the completed was completed prior to the end of last year. The movement which led to the formation of this fund originated at the Semi-Centennial Celebration in 1883, and its success is due to the warm interest of many former students and a few devoted friends, who have given so many evidences of their generous support.

The payments received from this fund, the increased income derived from board and tuition, together with economy in expenditures, have enabled the Board to meet the deficiency of last year, and caused a reduction of over \$8,000 in our indebtedness. The larger income ensured for the coming Financial year by a full College and the increase in our charges justifies the belief that the time is near at hand when the Institution will cease to show any deficiency. If this should be the case in the cur-

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rent year, the remaining payments on account of the \$50,000 fund will be sufficient to extinguish our debt, which now amounts to \$15,777.89.

Legacy of Edward L. Scull. The Treasurer's account and that of the Library fund for the past year are submitted with this Report. The Treasurer has received from the executors of the estate of Edward L. Scull a bequest of \$10,000, less the collateral inheritance tax, which has been added to the general endowment fund. This bequest was made free from any legally binding conditions, but with the desire that some judicious means shall be employed by the Managers of the College to advise students on the subjects of diet and reading.

Bequest from David Scull.

Our late friend, David Scull, who during his lifetime was a liberal contributor to the wants of Haverford, by his last will bequeathed \$6,000 to the Corporation, to be invested by them perpetually in trust, "To appropriate the annual income arising therefrom to the education of such worthy young men, members of the Society of Friends, as the Faculty of said College and the Board of Managers may jointly select for that object."\*

The will provides for the accumulation of other sums which, under a certain contingency, are likely to materially increase the amount the College will receive from this estate.

Jacob P. Jones's bequests. Early in the present year our friend, Jacob P.

<sup>\*</sup>By a codicil David Scull directed that the moneys derived from this source and the accumulations referred to below, "shall be kept safely invested at interest as a separate and special fund, to be called and known as 'The David Scull Fund,' for the endowment and support of a professorship in said College, etc."

Jones, discerning the necessity of early preparation to meet the future needs of the College, had stated his desire to make a contribution for a new building, but shortly afterward his health declined and he departed this life on the 20th of Fifth month, 1885, in the eightieth year of his age. By a legacy of \$5,000 he has established a scholarship, to be The Richard called, as a memorial of his late sou, "The Richard T. Jones Scholarship." After making various public and private bequests, the will bequeaths, after the death of his wife, all of his residuary estate to the Corporation of Haverford College, their successors and assigns, followed by this language:

"Having full faith in the tenets of the Christian Extract from religion, and entertaining great confidence in the P. Jones." wholesome influence exercised over those who, in their youth, are under the training, care, teaching, and example of instructors professing the faith and observing the discipline of the religious Society of Orthodox Friends, it is my desire and request that the above-named Corporation shall retain and keep invested the capital of the funds and estate which shall come to them under the residuary provisions of this my will as a permanent endowment fund, and spend and appropriate the income only thereof in carrying on the work and objects of their incorporation.

"And so far as they may be enabled out of the said income to admit a portion at least of their students or scholars either free of charge or at reduced rates, I desire that to be done, giving the

Extract from preference for those who shall be so admitted free will of Jacob or at reduced rates, first to the sons of Orthodox Friends, and extending it afterward beyond that class to others, if the said income be found sufficient and enough of such first-named class shall not present themselves to absorb it.

"In expressing the above wishes I am not to be understood as desiring that the Institution shall ever adopt rules which shall exclude children of parents who are not members of the Society of Orthodox Friends from the benefits of their Institution. On the contrary, my own views are that the true way to demonstrate the advantages of instruction by Friends is not to adopt the policy of excluding the children of others, as, I fear, has been too much the case in times past. Therefore, so far as my injunction can avail, I trust they will always freely invite such others to the benefits of the Institution; and I believe the Corporation itself will best prosper and carry out its work by opening its doors freely to all reputable and deserving youths, to whatever religious instruction they may have been subject before being received.

"Neither am I to be understood as imposing any injunction for the application of any further or greater portion of said income toward the furnishing of free or reduced rate instruction, than what there shall be left for application in that manner after the reasonable expenses of the Institution shall have been provided for from such income and the other resources of the Corporation.

"But my hope is that, under the blessing and

favor of God, there will come from this source a revenue which shall be productive of growth and vigor in the Institution, as well as help, at this critical period of their lives, to many deserving young men of slender patrimony."

The Board of Managers have expressed their Action of the Managers. estimate of the character of our departed friend and the value of his gift by a minute which is appended to this Report, and by placing on their records the full and loving tribute from President Chase which accompanies it.

It is too soon to anticipate the application of this Future admissions. noble endowment, given with so much discretionary power in the use of the income to be derived; but the simple instructions given show that one of the testator's main objects was to reduce the cost of instruction at Haverford so as to provide for the admission of "all reputable and deserving youths" who seek an education under "its wholesome influences." It is, therefore, not too soon for those to whom this trust will come to prepare for the larger field upon which the College must enter. If the hope and expectation of our benefactor is to be realized, the Institution must be able to apply the income of this endowment to the purposes he has mentioned as near to his heart.

The opportunities we have pointed out in former Need of contributions for years, where special contributions can be applied special pur with great advantage, still exist, and the College should continue to receive, from those who have confidence in the education it imparts, the means of providing for the increased accommodation al-

ready demanded, for the endowment of professorships, the foundation of lectureships, and for meeting the special outlays called for from time to time, that the facilities we offer may keep pace with the increasing requirements of the day.

Scholarship funds. For many years past it has seemed necessary to use a part of the general income to defray the expenses of scholarships. This increased the number of students and discharged what was felt to be a duty toward many young men of narrow means, particularly those of our own Society who expect to become teachers; but it has been done upon a revenue already too small to meet running expenses. If the Institution is to meet these expenses, each student must yield a return from some source equal to the cost of his education.

And their

We therefore believe the time has come for the Managers to consider whether appropriations for scholarship purposes should not be brought nearer to the amount of income derived from scholarship funds. This income at present does not allow us to extend the advantages of the College to many of a deserving class who seek them, some of whom are Friends; and we again call attention to the permanent value of scholarship funds, and also to the immediate usefulness of donations, even of small amounts, for scholarship purposes, which often enable a young man to acquire that "good instruction" which, in the language of William Penn, "is better than riches."

It may seem to some of our friends who favor these Reports with their attention that the needs of the College are ever growing and its wants never satisfied. As faithful trustees of the charge com-Growing mitted to us, it appears to be our duty to relax no College. effort to present these needs as they occur, if we would maintain and increase the efficiency of Haverford in the work for which it was founded, as "a nursery of sound learning and genuine faith."

A contemplation of the wider and more conspicuous field which the future promises to open impresses us with the responsibility which rests upon the Managers and Faculty.

We desire that these may ever remember that objects of the discipline of the best regulated educational establishment is only a supplement to the training of homes controlled by pious and intelligent parents; and if the education we furnish is to bear the mark of sterling worth, it must be the religious concern of all its officers to not only develop the mind and strengthen the judgment, but to fasten upon the minds of our students those enlightened views of Christian principles which will fortify the virtues and prepare them to live active and honorable lives as humble and consistent Christians.

On behalf of the Board of Managers.

HOWARD COMFORT,

Secretary.

PHILADELPHIA, 10mo. 12th, 1885.

AT A STATED MEETING OF THE BOARD OF MANAGERS OF THE CORPORATION OF HAVERFORD COLLEGE, HELD SIXTH MONTH 5TH, 1885:

Information being now received of the munificent bequest of our beloved friend, Jacob P. Jones, the Board accept the intelligence with thankful hearts, and with gratitude to Him from whom all good gifts come, who put it into the heart of this His servant to make such noble provision for the future usefulness of our honored Institution.

It is fitting that we, the present Managers of the College, whom daily life brought—many of us—into frequent contact and intimate acquaintance with this dear friend, should take this opportunity of recording our testimony to his virtues and worth, of acknowledging our obligations to him who, while yet with us, gently put aside, in that sweet, deep spirit of Christian humility which clothed him, our attempts to thank him for the constant evidences of his interest unflaggingly given through many years. He is beyond the reach of our tributes now, but we speak out of the fullness of our hearts, that those who come after us in this trust, which he has so dignified, may know how greatly the value of the gift is heightened by the character of him who gave it.

A man of affairs, of excellent business talents and judgment, whose co-operation was sought by and given to leading business, financial, and fiduciary corporations of our city, and whose influence in all of them was weighty, even those who knew him in these relations chiefly were conscious that while he diligently applied himself to this world's business his heart was fixed on Heaven, where the treasure of his soul was laid up, and that the Crown of Righteousness at the end of the race was the reward he strove for. His numerous charities were

generously and judiciously bestowed, and while many of his benefactions were public, and various institutions counted him among their chief supporters, very many of his good deeds have no record save on high. His loving heart gave true and ready and abiding sympathy to those who needed comfort, help, or encouragement, and many received from him support and cheer as helpful as material assistance.

Above all, it is our privilege and duty to record that these traits and virtues were the fruit of Divine Grace operating in the good ground of a tender and believing heart. Simple, earnest, deep, and strong were his religious feelings, in keeping with his character, and none could know him without perceiving that in his life he desired to follow the example, and be guided by the spirit, of his Master.

He was a full believer in the views of gospel truth held by our Society, and attended Friends' meeting with undeviating regularity. The longer he lived the more he seemed to value these principles, and his confidence was unshaken that they were destined to live and not to die.

In his endowment of Haverford College he desired to establish firmly an institution which he believed had done much to uphold, and would continue to cherish, the doctrines and testimonies of the Society of Friends.

The language of his will expresses the deep, settled conviction of his long life in reference to the value of an education received under the influences of the Christian religion as professed by Friends, and in his provision for the future of our College he has placed upon the Corporation, and its Board of Managers, a weighty and solemn responsibility in the carrying out of his intentions. May they be enabled rightly to administer the trust.

The following letter from President Thomas Chase was read. Its full and loving tribute to our departed friend and benefactor was gratefully received, and the communication ordered to be entered in full upon our minutes, as a further expression of our sentiments:

"President's Office, Haverford College, Fifth Month 28th, 1885.

### "To the Board of Managers:

"I believe a tribute of grateful respect is due from me to the memory of our friend, Jacob P. Jones, for his generous contributions to the College in his lifetime, and the magnificent provision he has made for its future support.

"His interest in the Institution was first manifested in the year 1859, when he entered his beloved and only son, Richard Thomas Jones, as a member of our Freshman Class.

"During the four years of his course, Richard T. Jones won the love and esteem of the Faculty and his fellow-students by his rare graces of mind and disposition and his exemplary character. A young man of singular promise, he was taken from his fond parents and his many friends to a better world in 1869. His sorrowing father, on this disappointment of his earthly hopes, looked with affectionate interest to the scene of his son's youthful studies, where he had spent several years, happy in his companionships and in his mental and moral growth, and where he had received instructions and been surrounded by influences which he recognized as profitable, both for this life and for the next.

"Early in the autumn of 1871, Jacob P. Jones drove out to the College, and after careful and very judicious inquiries in regard to the future policy of the Institution, announced to me, in confidence, his purpose of making the College his residuary and principal legatee. His generous execution of this purpose has placed his name high on the list of wise public benefactors, and has erected an enduring monument to the memory of himself and his son.

"In his lifetime, also, he subscribed \$10,000 toward the building of Barclay Hall, and has for some years contributed large amounts annually for the support of the College.

"Not only does his warm and generous interest in our Institution, and his liberal contributions and provision for its future improvement and support, call for our most grateful acknowledgment, but, above all, we owe it to his memory that we should place on our records some expression of the Christian graces of his life and character.

"Maintaining traditions of integrity from an honorable ancestry, he was an upright, intelligent, and successful merchant, a public-spirited citizen, a generous promoter of every good cause, a ready sympathizer with the neglected, the afflicted, and the needy, a judicious and liberal contributor to their wants, and—what the Lord loveth—a cheerful giver. He was kindly, courteous, sympathizing, and unostentatious in all his intercourse with his fellowmen, and singularly loving and tender in the sacred privacy of domestic life. These graces and virtues were all animated and heightened by his deep and living faith in his crucified and risen Redeemer, whom he accepted in all His offices—in His death as the ransom for our sins, and in His life as the great example of holy living, that we should walk after His steps.

"I know from his own lips—for my conversations with him, though few, were full, and fragrant not of earth, but of Heaven—that he placed all his hopes on the merits of Jesus Christ, his Saviour.

"It was a privilege to commune with his chastened and gentle spirit. The benediction which follows the lives of the just rests upon his memory.

"Respectfully,

"Thomas Chase,

"President of Haverford College."

## REPORT OF THE PRESIDENT,

#### FOR THE YEAR 1884-85.

### To the Board of Managers:

The most important event in the recent history of the College is the generous bequest of Jacob P. Jones, which relieves us of anxiety as regards the future prosperity of the Institution and opens a bright prospect of increased usefulness and excellence.

The scholastic work of the past year has been good and thorough, and was carried in some studies farther than ever before. An elevation gradually but surely accomplished in the standard of attainments at admission, and a wholesome spirit of study in the students, aided by the skill and faithfulness of the professors, have enabled us to make this progress. It is a gratifying fact that while we have admitted, at the beginning of the present autumn term, a larger number of new students than were ever before admitted here at any one time, the average of their attainments is also higher than in the case of any preceding class. I trust that both the teachers and the students at Haverford will continue to have the honorable ambition of extending their conquests in the fields of scholarship as far and as widely as possible.

Professor Allen C. Thomas having leave of absence for a year, for purposes of observation and study in England, the classes which he has conducted are intrusted for the coming year to the hands of Professor Edwin Davenport, who brings a profound knowledge of history to aid him

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at his new post of duty. Henry Carvill Lewis, our Professor of Geology, has left for two years of investigation and study in Europe. The instruction in his department will be given by Professor Newlin. Professor Seth K. Gifford has spent the last two scholastic years in successful study at the Universities of Berlin, Bonn, and Munich, and has also traveled widely in Italy and Greece; and he now returns to his classes with increased stores of classical knowledge and a practical mastery of the German language. Dr. Alphonse L. Van Daell, a graduate of the University of Liége, who brings high testimonials of success as a teacher, has assumed the charge of the classes in French. In the other departments the same excellent and experienced professors as served last year continue their instructions.

The location of Bryn Mawr College in our neighborhood will prove, I trust, to be fraught with "many advantages to both Institutions," in accordance with the hope expressed in these words by its excellent founder, in a letter which he wrote to me in 1877. The addition brought by its professors to the literary and scientific society of the vicinity, the stimulus always given by association with those engaged in kindred pursuits, and, perhaps, the occasional uniting of our forces for some special ends, are among the advantages promised by our nearness. The feelings of mutual respect and good-will which exist at present between the two Colleges will be likely to increase and strengthen with the lapse of time.

The question is often raised of the utility of a college course for persons not intending to enter upon a professional life. I have no doubt of its great advantages for all those who are endowed with a good capacity for intellectual pursuits. The conspicuous success of some of our own

graduates in the commercial world has been, I believe, in no small part, the consequence of their previous success in their studies here. The great concerns of business require sound, strong, well-trained minds and judgments. Even Greek and calculus, though not directly employed in ordinary affairs, have sharpened and strengthened faculties which business calls into play. Again, the associations of life in college—a little world in itself—give knowledge of human nature, and develop tact and skill in dealing with our fellow-men.

This practical value of advanced studies is an argument for them which I think it perfectly right to bring up in their defence, and one which may justly influence a parent whose sons-like all of us in this country-have got their own livings to make, and prefer to make them outside of the learned professions. At the same time it will be generally acknowledged that there are also other and still higher objects in life. A large, well-rounded, generous culture is its own recommendation. The ancients called it humanity, because it befits a man. He who possesses it has, within his own breast, more numerous and nobler sources of happiness than other men. His comprehension of the world around him is more intelligent and wider. His powers of influence over his fellow-men are larger. Its noble uses are well summed up in the pithy sentence spoken by James Russell Lowell at the opening of Bryn Mawr College, in which he said that he preferred "to think of a collegiate training not as a direct means of bread-winning, but as something to sweeten, during the rest of his life, every mouthful of bread which a man should eat."

It is only with a few, even of professional men, that the immediate studies of the college course are the tools of

their daily business. But these studies have made him who has engaged in them more of a man than he would have been without them, and this just as much if his days are spent on the farm, in the factory, the workshop, or the counting-room, as if he gets his living by his learning, his studies, or his professional skill. Occupation with practical business is not incompatible with having one's mind stored with remembrances of the masterpieces of literature and the facts of science, or the occupation of his leisure with the best reading and conversation with the most cultivated society.

I shall only be following the annual example of the Presidents of older and wealthier institutions if I speak of some of the things we still need in order to ensure the highest usefulness and efficiency of our College. Among the first of these is a new building containing a large hall for public exercises, a smaller hall for ordinary lectures and society meetings, larger, better ventilated, and more commodious recitation-rooms than those we have at present, an office for the President, and a laboratory for students in biology. Our friend Jacob P. Jones, shortly before his death, asked me to procure plans for the erection of a hall for these purposes.

The Alumni Hall and Library should be made fire-proof and the whole building be devoted to the Library, which already demands more room.

A new hall of students' rooms, perhaps connected with a master's house, is, in my judgment, a need of the immediate future, if the College shall "open its doors freely to all reputable and deserving youths" who are fully prepared for admission and ready to comply with all our rules.

There are great and serious deficiencies in the list of

books in our Library. Enlarged provision may well be made for the Chemical and Physical Laboratories. Large sums could be profitably expended on illustrative apparatus of all kinds and on specimens and cases for the Museum.

We should be greatly helped by the establishment of a general Lectureship, the income of which could be used from year to year to pay for lectures by distinguished men of our own country or from abroad.

The endowment of Professorships would be of the greatest utility. The men who are competent to fill our posts of instruction are entitled to a steady and permanent income, secure against all chance and change.

It is cause for fervent gratitude that the noble gift that has been bequeathed to us will enable us to supply many of these and other wants, and will be in many ways "productive of growth and vigor in the Institution." By the wise provision of the testator, however, its principal must always be left untouched; and our friends who are interested in the great objects of the College will feel, I trust, that the privilege is offered them of giving their aid for any of these objects, some of which are of present urgency.

The public lectures last year comprised one by the President on the "Functions of the Poet," illustrated from Whittier; four very instructive and interesting ones by Luigi Monti—for which we were indebted to the liberality of Justus C. Strawbridge—on "Lucrezia Borgia," "Garibaldi," "Victor Emmanuel," and the "Dramatis Personæ of Longfellow's Tales of a Wayside Inn;" most valuable addresses by Philip C. Garrett and Thomas Kimber—the former on "International Arbitration as a Political Doctrine" and the latter on "A Turn in the

Tide of Recent Thought and Expression in Regard to the Discoveries of Science and the Truths of Divine Revelation;" a stirring address on "Washington, and Certain Characteristics of the American People," by the Hon. Wayne MacVeagh; a lecture on "Ireland: the Land and the People," by James Wood, instructive and acceptable, as his addresses always are; one on "Monasticism," by Professor Davenport; one on "English Abbeys," by Professor Thomas, illustrated by stereoscopic views furnished by Henry T. Coates; and two masterly lectures generously given by that accomplished naturalist, Dr. Henry McCook—one on the "Industrial Art," the other on the "Maternal Instinct," of Spiders.

In the retrospect of the year we have to acknowledge many marks of the Divine favor to the College we love Happy is it for us and our successors that the constant example will be held before us of the Christian graces of our benefactor, Jacob P. Jones. As I think of the charm of manner and address which characterized both him and his son, as well as of the virtues and the faith which lay beneath this charm as the ground from which it grew, I am reminded of the words of John Woolman, portraying the marks of the new name and the white stone: "Some glances of real beauty may be seen in their faces who dwell in true meekness. is a harmony in the sound of that voice to which Divine love gives utterance, and some appearance of right order in their temper and conduct whose passions are regulated." Inspired by such examples, and guided by the Divine Spirit, may we be enabled to conduct the affairs of the College to the honor of our crucified and risen Lord.

THOMAS CHASE,

President.



# ORDER OF THE PUBLIC EXERCISES OF THE JUNIOR CLASS.

### FOURTH MONTH 16TH, 1885.

- "Science as a Witness for Truth,"

  THOMAS WADE BETTS, Wilmington, O.
- "The Great Incendiary,"

  JONATHAN DICKINSON, JR., Poughkeepsie, N. Y.
- "A Modern Industry,"
  GUY R. JOHNSON, Longdale, Va.
- "Shall Suffrage be Restricted?"

  WILLIAM S. McFARLAND, Mt. Laurel, N. J.
- "Criticism on Art and Literature,"

  \*ISRAEL MORRIS, JR., Philadelphia, Pa.
- "The Political Future of Canada,"

  \*WILLIAM P. MORRIS, Philadelphia, Pa.
- "Steam in the Nineteenth Century,"

  \*Alexander H. Scott, Philadelphia, Pa.
- "The Present Crises in England,"

  \*HORACE E. SMITH, Philadelphia, Pa.
- "Ancient Domestic Architecture,"

  ALFRED M. UNDERHILL, JR., Poughkeepsie, N. Y.
- "Henry Clay and the Nation,"

  EDWARD D. WADSWORTH, Hallowell, Me.
- "Is the Union Reunited?"

  WILFRED W. WHITE, Raysville, Ind.
  - \*Resigned the privilege of speaking.

### ORDER OF EXERCISES AT COMMENCEMENT.

SIXTH MONTH 23RD, 1885.

A Salutatory Oration in Latin,
AUGUSTUS T. MURRAY, New Bedford, Mass.

"Frederick the Wise and the Reformation,"

CHARLES W. BAILY, Philadelphia, Pa.

"Present Aspects of Poetry,"
ENOS L. DOAN, Valley Mills, Ind.

"Three Forces in History,"
WILLIAM T. HUSSEY, North Berwick, Me.

"Mysticism and its Exponents,"
RUFUS M. JONES, South China, Me.

"The Teachings of Buddha,"

JOSEPH L. MARKLEY, East Nantmeal, Pa.

"A Political Retrospect,"

AUGUSTUS H. REEVE, Camden, N. J.

Valedictory,

WILLIAM S. HILLES, Wilmington, Del.

BACCALAUREATE ADDRESS,
PRESIDENT THOMAS CHASE.

### **DEPARTMENT OF ARTS AND SCIENCE:**

FIRST SCHOLAR,
JOSEPH LYBRAND MARKLEY.

### SCIENTIFIC DEPARTMENT:

FIRST SCHOLAR,
THEODORE WILLIAM RICHARDS.

### DEGREES

### WERE CONFERRED AT THE COMMENCEMENT IN 1885 AS FOLLOWS.

### BACHELORS OF ARTS.

SAMUEL BETTLE, ENOS L. DOAN, WILLIAM SAMUEL HILLES, AUGUSTUS HENRY REEVE, WILLIAM TIMOTHY HUSSEY, WILLIAM FOSTER REEVE, ARTHUR WINSLOW JONES, ISAAC SUTTON, RUFUS MATTHEW JONES.

JOSEPH LYBRAND MARKLEY, MARRIOTT CANBY MORRIS, WILLIAM TABER FERRIS, AUGUSTUS TABER MURRAY, ELIAS HENLEY WHITE,

WM. FREDERICK WICKERSHAM.

### BACHELORS OF SCIENCE.

THOMAS NEWLIN, CHARLES WINTER BAILY, JOHN JAY BLAIR, THEODORE WILLIAM RICHARDS, MATTHEW TERBELL WILSON.

The following degrees were granted upon examination:

### MASTERS OF ARTS.

HENRY LONGSTREET TAYLOR, M. D., Class of 1878.

> GEORGE A. BARTON, Class of 1882.

The degree of MASTER OF ARTS was bestowed honoris causa on ROBERT HOWLAND CHASE, M. D., JULIUS L. TOMLINSON.

### PROGRAMME OF RECITATIONS

FOR THE

FIRST HALF-YEAR, 1884-85.

### SECOND-DAY.

SENIORS	9. <b>3</b> 0–10.30 Scripture.	***************************************	11–12 Butler's Anal.	2-8 Astronomy. Eccl. Hist.	8-4 Greek. Eng. Hist.		
JUNIORSSOPHOMORES FRESHMEN		***************************************	Geology. Ethics. Geometry.	German.	Eng. Hist. Geology. Surveying. Latin.		
		THIRD	-DAY.				
SENIORS	9–10 Latin.	10–11 Astronomy.	Astronomy, Psychology. French.				
JUNIORS	German. Des. Geom.	Shop Work. Latin.	Rhetoric. Shop work.	Eccl. Hist. Shop work.	Greek. German. Ethics. Rhetoric.		
SOPHOMORES FRESHMEN	Nat. Philos. German. Nat. Philos.	Shop Work. Zoology. Greek.	Shop work. Zoology.	***************************************			
•		FOURTI					
SENIORS	9-10 History.	10-11	11-12 Butler's Anal.	2–3 Chemistry.	3-4 German. Chemistry.		
JUNIORS	Latin.	Shop work.	Anal. Geom.	******	Greek. German.		
SOPHOMORES	Physics. Drw'g Div. I. Physics.	Latin. Shop work.	Nat. Philos. Zoology. Shop work.	Mech. Drw'g. Greek.			
FRESHMEN	Geometry.	***************************************	Greek.	***************************************	Geometry.		
		FIFTH	-DAY.				
SENIORS	8.30–9.30 Mechanics.	9.30-10.30 Latin.	11 Meeting.	2–3 Eng. Hist. Hebrew.	8-4 Greek. French.		
JUNIORS SOPHOMORES	German. Nat. Philos.	Physics. Drw'g Div. II.	Meeting. Meeting.	Anal. Chem. Anal. Chem.	Anal. Chem. Greek.		
FRESHMEN	German. Drawing. Nat. Philos.	Physics. Geometry.	Meeting.		Anal. Chem. Rhetoric.		
		SIXTH-D	AY.				
SENIORS	9-10 French.	10-11 Mechanics.	11-12 History.	2-3 Chemistry.	3-4 Psychology.		
JUNIORS	Chemistry. Anal. Geom.	Chemistry.	Latin. Desc. Geom.	Hebrew. Anal. Chem.	Anal. Chem.		
SOPHOMORES	Eng. (Cl.Sec).	Eng.(Sc. Sec).	Surveying.	Anal. Chem.	Latin. Anal. Chem.		
FR <b>ESHMEN</b>	German.	Latin.	Greek. Drawing.	Latin.			
		SEVENTI	H-DAY.				
	8.30-9.30	9.30-10.30					
SENIORS JUNIORS SOPHOMORES	History. Anal. Geom. Greek.	Rhetoric. Surveying.					
FRESHMEN	Mec. Draw'g. Zoology. Mec. Draw'g.	Latin. Mec. Draw'g.					

### PROGRAMME OF RECITATIONS

FOR THE

### SECOND HALF-YEAR, 1885-86.

#### SECOND-DAY.

SENIORS	9.30-10.30 Scripture.	10.80-11	11-12 Christ. Doc.	2-3 U. S. History. French	8–4 History, or English.						
JUNIORS	Scripture.	Shop work.	Logic.	······································							
80PHOMORES	Scripture.	Shop work.	Shop work. Trigonometry. Shop work.	Shop work.	Paley. Shop work.						
freshmen	Scripture.	Shop work.	Zoology. Shop work.	***************************************							
		THIRD-	DAY.								
9-10 10-11 11-12 2-3											
SENIORS	Latin.	Astronomy.	German.	Psychology.	Anatomy.						
JUNIORS	Astronomy	French.	Greek.	***************	Calculus.						
SOPHOMORES	Latin	French.	German.	Draw'g (Sc.).	Hebrew. Chemistry.						
CAMUMUNIO	Math. (Eng.)		Drw'g (Eng.).	DIAW & (SC.).	Calculus.						
	2144214 (2281)		· · · · · · · · · · · · · · · · · ·		Draw'g (8c.).						
Freshmen	Latin.	Draw'g (Cl.). German.	Zoology. Drw'g (Eng.).		Greek. Chemistry.						
FOURTH-DAY.											
	9-10	10-11	11-12	2-3	3-4						
seniors	Anglo-Saxon	Astronomy.	*** ***********************************	Greek. Mechanics.	Eng., or Hist.						
JUNIORS	Astronomy.	Shop work.	German. Shop work.	•••••	Latin. Org. Chem.						
80PHOMORES	Politics (A.).	Politics (B.).	Latin. German.	***************************************							
Freshmen	Latin.	German.	Algebra.	History.	Draw'g (Sc.).						
FIFTH-DAY.											
	8.30-9.30	9.30-10.30	11	_ 2-3	8-4						
SENIORS	English Hist.	Hist., or Eng.	Meeting.	French. Anal. Chem.							
TITNIODO	Crook	Franch	Maatina	Teenah	Anal. Chem.						
JUNIORS	Greek. Calculus.	French.	Meeting.	French. Anal. Chem.	German. Anal. Chem.						
80PHOMORES		Drw'g(Cl. A.).	Meeting.	An. Ch. (En.)							
	Draw'g (Sc.). Calculus.	French.	_		German.						
	Calculus.	An.Ch.(Eng.).									
FRESHMEN	***************************************	Algebra.	Meeting.	Greek.	Chemistry.						
SIXTH-DAY.											
CPMIONO	9-10	10-11	11-12	2-3	3-4						
seniors	Anatomy.	German.	Greek.	French.	Eng. Hist.						
JUNIORS	Latin.	German.	Anal. Chem. Logic.	Anal. Chem.	Anal. Chem.						
SOPHOMORES	Org. Chem. Greek. Org. Chem.	Draw'g (Eng.).	. Chemistry. Drawing.	Anal. Chem. Politics (A.). Shop work.	Paley. Shop work.						
Freshmen	History.			German.	Latin. Shop work.						
SEVENTH-DAY.											
SENIORS	8.30-9.30 Latin.	Mechanics.	•								
JUNIORS	Dawn of Hist.	Psychology.									
		Heb. (10.30-11)	)								
SOPHOMORES		. Politics (B.).									
Freshmen	Math. (Eng.). Latin.	Draw. (Cl. B.). Algebra.	•								

# SUMMARY OF THE ACCOUNT OF THE TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE,

From Ninth mo. 17th, 1884, to Eighth mo. 31st, 1885.

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Balance in hands o	f Treasurer, " Dean,	Ninti	i mo.	17th,	1884	١, ٠		:	, :	. 1	8,532 11 137 71	
ncome from Gene	ral Fund.										5,432 78	\$8,669
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" E. Y	rnall Fund,			•	•	•			•		212 22 561 75	
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" " Speci	al Fund,	•									24 50	
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egacy from Edwa	rd L. Scull (\$	10,000,	less	tax),			:					9,500
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												\$107,424
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Total exp llowances and Sc " " "	enses, .											\$50,742
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" ". salance in hands o	of Treasurer, Dean,	Eight	h mo	. 31st	188	35,			•	•	496 51 21 29	

### REPORT OF TREASURER

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### HAVERFORD COLLEGE LIBRARY COMMITTEE.

FOR YEAR ENDING 10th MONTH 12th, 1885.

RECEIPTS.		-
Balance, 10th mo. 11th, 1884,	43	10
Treasurer of Corporation,	98	63
Books sold,	10	60
Interest on Deposits,	1	96
**************************************	354	29
PAYMENTS.		
Books,		
Binding, 69 07		
Periodicals,		
Expressage,		
Map and Framing,		
Balance, 10th mo. 12th, 1885, 89 75		
	3 F 4	90

\$854 29

# STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth-day in the Third, Sixth, Ninth, and Twelfth months.

### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

### FORM OF LEGACY.

I give and bequeath (if personal)—devise (if re	eal) to "The Corpora-
tion of Haverford College," the Sum of	• • • • • • • • • • • • • • • • • • • •
***************************************	(or if real estate,
describe it)	to have
and to hold, to them, their successors and assigns,	to the use of the said
" The Corporation of Haverford College," their su	ccessors and assigns.

### CIRCULAR.

### HAVERFORD COLLEGE

is situated on the Pennsylvania Railroad, nine miles from Philadel-phia.

### FACULTY FOR 1885-86.

THOMAS CHASE, A.B. (Harvard), A. M. (Harvard), LL. D. (Harvard), Ltt.D (Haverford), PRESIDENT, and Professor of Philology and Literature.

PLINY E. CHASE, A. B. (Harvard), A. M. (Harvard), LL. D. (Haverford), Professor of Philosophy and Logic.

ISAAC SHARPLESS, S. B. (Harvard), Sc. D. (University of Pennsylvania), Dean, and Professor of Mathematics and Astronomy.

ALLEN C. THOMAS,\* A. B. (Haverford), A. M. (Haverford), Librarian, and Professor of Rhetoric, Political Science, and History.

LYMAN B. HALL, A. B. (Amherst), A. M. and Ph. D. (Göttingen), Professor of Chemistry and Physics.

EDWIN DAVENPORT, A. B. (Harvard), A. M. (Harvard), Professor of Rhetoric, Political Science, and History.

HENRY CARVILL LEWIS,\* A. B. (University of Pennsylvania), A. M. (University of Pennsylvania), Professor of Geology.

THOMAS NEWLIN, S.B. (Haverford), Professor of Zoology and Botany, and Curator of the Museum.

JAMES BEATTY, JR., M. E. (Stevens Institute), Professor of Engineering Branches.

WALTER A. FORD, M. D. (Jefferson College, Philadelphia), Director of the Gymnasium, and Instructor in Physical Training.

ALPHONSE N. VAN DAELL, LL. D. (Liége), Instructor in French.

JOSEPH L. MARKLEY, A. B. (Haverford), Assistant in the Observatory.

HOWARD F. STRATTON, Instructor in Free-Hand Drawing.

\* Absent for one year in Europe.

### COURSES OF STUDY.

There are three regular courses given, of four years each.

I. COURSE IN ARTS AND SCIENCE, leading to the degree of Bachelor of Arts.

In this course Latin is required throughout. Greek and Mathematics are elective after the Sophomore year. French and German, Literature, History, Philosophy, Logic, Rhetoric, and the Sciences are embraced in the course. Partial election in all the courses during the last two years admits of some concentration of efforts on one or more branches.

II. COURSE IN GENERAL SCIENCE AND LITERATURE, leading to the degree of Bachelor of Science.

Latin is required through the Freshman year; Mathematics throughout; Greek is not required at all, but the opportunity is offered of studying it. Particular attention is given to Modern Languages and to the Sciences. Courses I and II are both designed to give broad and general culture.

III. Course in Practical Science and Engineering, leading to the degree of Bachelor of Engineering.

Neither Latin nor Greek is required. The time thus gained is occupied by Mathematics, the Modern Languages, a certain amount of general culture, and work with Engineering instruments in the field, in the machine shop, and in the draughting rooms. Both Civil and Mechanical Engineering are systematically taught.

# REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

### Course I.

GREEK.—Grammar, three Books of the Anabasis, one book of Homer.

LATIN.—Grammar, four Books of Cæsar, four Books of Vergil's Æneid, two Orations of Cicero.

MATHEMATICS.—Arithmetic, Algebra to Quadratic Equations of Two Unknown Quantities, three Books of Geometry.

English.—Grammar and Composition; Political and Physical Geography; Greek, Roman, and United States History.

### Course II.

LATIN.—As in Course I.

MATHEMATICS.—As in Course I.

ENGLISH.—As in Course I.

SCIENCE.—The Elements of Physics and of Human Physiology.

### Course III.

MATHEMATICS.—As in Course I.
ENGLISH.—As in Course I.
SCIENCE.—As in Course II.
GERMAN.—Grammar and Whitney's Reader.
Latin will be accepted in Course III in place of German.

The object of the above requisites, in the different Courses, is to test the ability of the candidate to pursue the studies of the Freshman Class. Equivalents may be substituted for the books mentioned. Any candidate whose examination indicates ability to advance with his class, will be allowed to make up deficiencies by extra work after admission.

### EXAMINATIONS FOR ADMISSION.

Examinations for admission will be held at the College on Sixth Month 22d, 1886, at 2 p. m.; and on Ninth Month 14th, 1886, at 9.30 A. m. Applicants are encouraged to present themselves at the first date for examination, on at least part of the requirements.

The certificates of teachers of certain recognized schools will be accepted in place of examination, so far as they cover our requirements. Blank forms for such teachers to fill up will be forwarded on application.

### EXPENSES.

The College charges \$500 a year for board and tuition. In addition, the average annual cost of washing is about \$18 a year; of books and stationery, about \$25; of incidentals, \$10 or less. These items are charged on the term bills, if desired.

Day students are charged \$150 a year for tuition, and \$250 for tuition and dinner. In case a day student has the full room accommodations of a boarder, he is charged full price, namely, \$500.

Rooms are assigned in Barclay Hall, in the case of new students, in

the der of application. A student can have a single room, or, in conjunction with another, can occupy a suite, consisting of a study and two adjoining bedrooms.

For entry blanks, catalogues, and information, address
ISAAC SHARPLESS, Dean,
Haverford College P. O.,
Pennsylvania.

Haverford differs from most colleges in the fact that the small number of students to which it is limited enables a large amount of individual care to be given. This care tells not only in the mental, but also in the physical and moral, well-being of the students.

Physical development is promoted by the wholesome conditions of living in a country locality of acknowledged healthfulness; by the large and beautiful lawn of sixty acres, lying within a farm of about two hundred and fifteen acres, embracing grounds for cricket, football, baseball, and tennis, and a pond for skating; and by a careful personal examination of each student by a trained physician, who directs the gymnasium exercises. These exercises are required of members of the Freshman and Sophomore Classes. It is our experience that, almost universally, the students improve in health during their college course.

The facilities for instruction embrace a Library of over fifteen thousand volumes, to which the students have free access for several hours daily; an Astronomical Observatory, equipped with large instruments of various kinds, which are used for practical instruction; a Chemical Laboratory, with thirty-eight separate working tables and full apparatus for analytical work; a Machine Shop, with engine, lathes, and various tools; together with apparatus for physical experiments, and for surveying and engineering work.

The Professors have been employed with reference, not only to their scholarship, but also to their ability to teach and their general wholesome influence.

The moral standard is maintained by care in the admission of students, and by the separation from the College of such as are believed to be immoral; and by the efforts of officers who acknowledge their responsibilities in this direction, and are willing to exert such influence and take such measures as may be necessary to secure a good moral tone.



# HAVERFORD COLLEGE.

1886.

# REPÓRT



OF

# HAVERFORD COLLEGE.

TENTH MONTH 12th, 1886.

PHILADELPHIA: PRINTED FOR THE COLLEGE. 1886.  $\omega$ 

# CORPORATION.

# PRESIDENT, WISTAR MORRIS,

No. 209 South Third Street, Philadelphia.

# SECRETARY, ELLISTON P. MORRIS,

No. 21 North Seventh Street, Philadelphia.

# TREASURER, ASA S. WING,

No. 409 Chestnut Street, Philadelphia.

### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
JAMES CAREY THOMAS,
PHILIP C. GARRETT,
RICHARD CADBURY,
DAVID SCULL,
RICHARD WOOD,
ROBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,
GEORGE HOWLAND, JR.,
CHARLES HARTSHORNE,

JOHN B. GARRETT,
EDWARD BETTLE, JR.,
CHARLES ROBERTS,
FRANCIS WHITE,
BENJAMIN H. SHOEMAKER
HOWARD COMFORT,
WILLIAM S. TAYLOR,
WILLIAM PENN EVANS,
JUSTUS C. STRAWBRIDGE,
ASA S. WING,
ELLISTON P. MORRIS,
FRANCIS STOKES,
JAMES WOOD,
ABRAM F. HUSTON.

SECRETARY OF THE BOARD, HOWARD COMFORT.

No. 529 Arch Street, Philadelphia.

# STANDING COMMITTEES OF THE BOARD OF MANAGERS.

### EXECUTIVE COMMITTEE.

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JAMES WHITALL, DAVID SCULL,
EDWARD BETTLE, JR.,
RICHARD CADBURY,
PHILIP C. GARRETT,

CHARLES ROBERTS, JOHN B. GABRETT, JUSTUS C. STBAWBRIDGE, HOWARD COMFORT, . ASA S. WING.

## COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN, JOHN B. GARRETT, CHARLES HARTSHORNE, BENJAMIN H. SHOEMAKER, DAVID SCULL.

# COMMITTEE ON ACCOUNTS.

CHARLES ROBERTS.

ELLISTON P. MORRIS. FRANCIS STOKES.

# LIBRARY COMMITTEE.

RICHARD WOOD, PHILIP C. GARRETT, CHARLES BOBERTS, HOWARD COMFORT, FRANCIS STOKES, JAMES WOOD.

### COMMITTEE ON FARM AND DWELLINGS.

DAVID SCULL, BOBERT B. HAINES, WILLIAM S. TAYLOR, ELLISTON P. MORRIS,

ABRAM F. HUSTON.

### MUSEUM COMMITTEE.

CHARLES ROBERTS. DAVID SCULL,

S, HOWARD COMFORT; WILLIAM PENN EVANS,

ELLISTON P. MORRIS.

# VISITING COMMITTEES.

### FROM NINTH MONTH TO TWELFTH MONTH VACATION.

HOWARD COMFORT, WISTAR MORRIS, T. WISTAR BROWN, JAMES WHITALL, RICHARD WOOD,
ROBERT B. HAINES,
PHILIP C. GARRETT,
JUSTUS C. STRAWBRIDGE,

ASA S. WING.

### FROM TWELFTH MONTH VACATION TO FOURTH MONTH FIRST.

ELLISTON P. MOBRIS,
JAMES CAREY THOMAS,
FRANCIS T. KING,
WILLIAM R. THURSTON,

DAVID SCULL,
AS, CHARLES HARTSHORNE,
JOHN B. GARRETT,
ON, BENJAMIN H. SHOEMAKER,
FRANCIS STOKES.

## FROM FOURTH MONTH FIRST TO COMMENCEMENT.

EDWARD BETTLE, JR., BICHARD CADBURY, GEORGE HOWLAND, JR., CHARLES ROBERTS,

, FRANCIS WHITE,
WILLIAM S. TAYLOR,
JR., WILLIAM PENN EVANS,
JAMES WOOD,
ABRAM F. HUSTON.

# FACULTY.

†THOMAS CHASE, Ltt. D., LL.D., PERSIDENT, AND PROFESSOR OF PHILOLOGY AND LITERATURE.

PLINY EARLE CHASE, LL.D.,
ACTING PRESIDENT AND PROFESSOR OF PHILOSOPHY AND LOGIC.

ISAAC SHARPLESS, Sc.D., DEAN, AND PROFESSOR OF MATHEMATICS AND ASTRONOMY.

ALLEN CLAPP THOMAS, A.M., LIBRARIAN, And Professor of History, Political Science, and Bhetoric.

LYMAN BEECHER HALL, Ph.D.,
JOHN FARNUM PROFESSOR OF CHEMISTRY AND PHYSICS.

SETH K. GIFFORD, A.M.,
PROFESSOR OF GREEK AND GERMAN.

J. RENDEL HARRIS, M.A.,
PROFESSOR OF BIBLE LANGUAGES AND ECCLESIASTICAL HISTORY.

MYRON R. SANFORD, A.M., REGISTEAR, AND PROFESSOR OF LATIN AND IN CHARGE OF THE DISCIPLINE.

> LEVI T. EDWARDS, A.B., PROFESSOR OF ENGINEERING.

J. PLAYFAIR McMURRICH, Ph.D., PROFESSOR OF BIOLOGY.

WALTER A. FORD, M.D.,
INSTRUCTOR IN PHYSICAL TRAINING AND DIRECTOR OF THE GYMNASIUM.

SAMUEL LEPOIDS, BACH. ÈS LETTRES, INSTRUCTOR IN FRENCH.

HOWARD F. STRATTON, INSTRUCTOR IN FREE-HAND DRAWING.

GEORGE H. MAKUEN, A.B., Instructor in Elecution.

JAMES WOOD, A.M., LECTURES ON AMERICAN HISTORY.

- \* Arranged in order of seniority of appointment.
- † Absent for the year in Europe.

# REPORT OF THE BOARD OF MANAGERS

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# THE CORPORATION OF HAVERFORD COLLEGE.

The Managers report that during the past year college the officers of the College have been faithful and efficient in the discharge of their duties, and that the increase in our number of students has been attended with an improvement not only in the scholastic record, but also in the discipline, morals, and development of character.

The total number of students now at the Col-Number of lege is ninety-four, classified as follows: nineteen Seniors, twenty-three Juniors, twenty-nine Sophomores, and twenty-three Freshmen.

At last Commencement four Seniors received begrees the degree of A. B., and seven the degree of S. B. The degree of Master of Arts in course was given to Isaac T. Johnson, Rufus M. Jones, and Joseph L. Markley.

The honorary degree of Doctor of Laws was conferred upon Edward H. Magill, President of Swarthmore College, in consideration of his attainments in scholarship, and his skill and reputation as an educator.

President Thomas Chase, after a faithful and President continuous service of thirty-one years as professor and presiding officer, has been obliged, on account

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of the state of his health, to ask for leave of absence. This was granted, and President Chase and his family have gone abroad for rest and travel in Europe. Pliny Earle Chase, LL. D., has been appointed Acting President during the absence of his brother.

Paculty.

J. Rendel Harris, M. A., Fellow of Clare College, Cambridge University, England, and late Professor of New Testament Greek in Johns Hopkins University, has been appointed Professor of Biblical Languages and Ecclesiastical History. This appointment has been made from a belief that facilities ought to be afforded at Haverford for such a study of the history of Christian doctrine as will lead to a better appreciation of the doctrines held by the Society of Friends.

The following changes have been made in our Faculty: Edwin Davenport, A. M., retires after several years of valuable service, and Professor Thomas has returned from abroad and resumed his duties as Librarian and Professor of History and Political Science.

Thomas Newlin, A. B., resigned during the year to become Principal of Spiceland Academy, Indiana.

J. Playfair McMurrich, Ph. D., recently Instructor in Osteology and Mammalian Anatomy in Johns Hopkins University, has been appointed Professor of Biology. Myron R. Sanford, A. M., takes the place of Thomas Newlin as disciplinary officer, and will give instruction to some classes in Latin. Samuel Lepoids, Bach. ès Lettres, who brings strong testimonials as a teacher of ex-

perience in New England schools, succeeds Professor Van Daell as Instructor in French. Levi T. Edwards, A. B., takes charge of the Engineering branches, and will be the assistant in the Observatory.

The various departments of the College are in good working order, and show the value of the facilities which have been recently provided. The Needs of appointment of a new Professor of Biology is a Departrecognition of the growing importance of the branches of study included in this department; and calls for a reference to a few of its requirements. The best results in demonstration and original examination cannot be obtained until a new and commodious laboratory is provided; at present much practical work is omitted for the want of better light and more tables.

We have no collection suitable for the study of Comparative Osteology, which is one of the foundations of a proper course in Biology, and must precede all advanced work. We need recent standard works in Zoology and Botany, also microscopic lenses of higher power than those we have, that students may properly study the more complicated organisms.

During the year 401 volumes were added to the Library. Library, of which 212 were bought, 158 presented, and 31 periodicals bound up, making the total number of books in the College Library 11,205.

The Society Libraries contain 4,775 volumes in addition to the above number. We have received gifts of valuable books from the American Anti-

Requirements.

quarian Society, Mary T. Jones, J. Rendel Harris, and others.

Additional shelving must be put up this year to receive the increased number of books. This can only be done by encroaching on space much needed for readers. Therefore it seems well to keep in view the growing need of erecting either a separate Hall as mentioned in last Report, or a new, well-lighted, fire-proof Library building, where the risk from fire would be small, and where the students could avoid the inconvenience which now results from the joint use of the building for a Hall and Library purposes.

Library administra-

tion.

A collection of books such as Haverford possesses ought to be used as an instrument of education rather than as a means of recreation, and the administration of the Library should aim at making it the intellectual centre of the College. It is obvious that this cannot be done with success so long as the Librarian is engaged in other duties and the assistants are selected from undergraduates. To have our Library well cared for, and its resources made thoroughly available, we need a permanent Assistant Librarian of training and experience, who could exercise a constant intelligent supervision over the building and its contents.

Changes in courses of study.

On the recommendation of the Faculty, the Managers have approved of a change in our courses of study, by which both French and German have been made optional with Greek for admission to the Freshman class for the degree of A. B., and with Latin for the degree of S. B. For

the former degree at least one year of Greek will be required after admission.

The Engineering Course has been partially combined with the Scientific Course for greater convenience. This will not lessen the instruction given Machine in the Machine Shop, which, under the direction of Professor Edwards, promises to be of growing usefulness.

Allusion was made in our last Report to the Grammar opening of the Grammar School in the new building erected for that purpose. The School was successfully conducted last year, and opened Ninth month last with 72 pupils.

The College has already felt the benefit of having a School of this character near at hand, with courses of study adapted for preparing scholars for admission into its classes, and this support is likely to increase as the advantages offered by the School become more widely known and better appreciated.

Through the kindness of our friend Ellis Yar-College nall, three valuable lectures on artistic subjects were delivered by Henry Blackburn, of London. On the occasion of a visit to the College, Archdeacon Farrar addressed the students with words of counsel on their responsibilities. The other public lectures of the year included an historical address by Hampton L. Carson, of the Philadelphia bar, on "The Age of Washington;" lectures on "The English Poets," by President Chase; "Friends in Politics," by Augustine Jones; "Recollections, Personal and Historical," and "English Statesmen in the Closing Years of the American

Civil War," by Ellis Yarnall, A. M.; "The Mound Builders," by J. P. McLean; "How to Get Strong," by Wm. Blaikie. We are also indebted to George B. Wood for an exhibition of a series of stereoscopic views.

Bequest received.

The Treasurer has received from the executor of the estate of Jacob P. Jones his bequest of \$5,000, to establish "The Richard T. Jones Scholarship," and by special resolution of the Board this Scholarship has been created.

The David Scull Fund.

The Treasurer has also received from the trustee under the will of David Scull, \$2,800 on account of the accumulations referred to in our last Report as likely to come to the College from this source. All money from this source will be invested as a separate fund, to be known as "The David Scull Fund," for the endowment and support of a professorship.

Donation.

A valuable donation of \$1,000 has been received from Rebecca White, and will be expended in assisting young men who are unable to pay the full charges.

Improvements. It has been found necessary to renew a part of the farmer's dwelling, the cost of which was nearly met by special contributions for the purpose. The old gas machine has been replaced by one of larger capacity. The plumbing of Barclay Hall has been carefully examined and practically renewed, the papering of all the rooms has been completed, and woven wire mattresses placed in all the bed-rooms. These improvements will add much to the health and comfort of the students.

The Warner tract of land, adjoining the avenue

leading from the College to the turnpike, being recently offered for sale, was purchased by a few members of the Board, who propose, with the assistance of subscriptions from other interested friends, to improve the same in the interest of the College. The primary object of this purchase was to protect the approach to our grounds, and to provide accommodations for an increased number of students. There is reason to believe that the improvements proposed will not only add to the value of our property, but eventually will become a source of revenue to the Corporation.

As directed at the last annual meeting of the Amend-Corporation, the Managers examined the Charter Charter and its amendments, and in accordance with the authority given them, they petitioned the proper court for two amendments. These were granted and recorded, and are forwarded with this Report for acceptance.

In our last Report the belief was expressed that Financial. the time was near at hand when the College would cease to show the deficiencies which year after year have caused such serious concern to the Management. The increased income derived from board and tuition, the smaller outlay for interest by reason of the reduction of the debt, and the watchful care exercised in regard to expenditures, enable us to show, at the end of the year just completed, a surplus of \$1,174.87, in the receipts applicable to general purposes, over the expenditures. This amount, and some receipts from the accounts of previous years, also \$9,900, received on account of subscriptions to the \$50,000 fund, have all been applied toward

paying the debt of the Corporation, which is now reduced to \$3,538.24, all of which we believe will be paid shortly, there being still unpaid subscriptions to the \$50,000 fund more than sufficient to the \$50,000 cover it. The contributors to this fund have conferred a great and lasting benefit upon the College. With it the Managers have nearly extinguished a debt which was weighing heavily upon them, and have met the deficiencies during several years when it was impossible to bring the expenses within the current receipts for each year.

The Ostore

The experience of the past year encourages us to hope that the Managers, in the future, may be relieved from some of the anxious solicitude as to the finances of the institution which has been felt for many years. No thoughtful friend of Haverford will, however, conclude that its need of interested friends ready with financial support is less than heretofore, but rather that its permanency is now so far assured as to warrant that all gifts and bequests to the College will be of continued usefulness in promoting the objects of its foundation.

The College full.

time is at hand when it will be necessary to provide additional accommodations, or to turn away applicants for admission. This fact is gratifying, but it brings new responsibilities. One duty of the immediate future, after insisting on a high standard of scholarship and character among our students, is to widen the extent and to improve the quality of the instruction given. To do this effectually we must establish new professorships, found lectureships, provide improved apparatus,

The College is now full in all its parts, and the

Future work. and furnish opportunities for original research. These and other needs, made apparent by the growing importance of Haverford in the educational system of the Society of Friends, and its usefulness to the community at large, are commended to the thoughtful consideration of all friends of higher education.

By direction of the Board,
HOWARD COMFORT,
Secretary.

PHILADELPHIA, 10mo. 11th, 1886.

# AMENDMENTS TO THE CHARTER.

Decreed by the Court of Common Pleas for the County of Delaware, Pennsylvania, on 6th month 23d, 1886, and recorded in the Office for Recording Deeds, etc., in and for Delaware County, Pennsylvania, on 7th month 1st, 1886, and accepted at the Annual Meeting of the Corporation held 10th month 12th, 1886:

I. The Corporation of Haverford College may take and hold for the purposes of its incorporation such amounts of personal estate as may be bequeathed or given to it from time to time, and no estate of the Corporation, real or personal, shall ever be divided among the members thereof.

II. In addition to the officers already provided for by the Charter, a President shall be chosen by ballot at the Annual Meeting of the Corporation from among the members thereof, and he shall be ex officio a member of the Board of Managers.

# ORDER OF THE

# PUBLIC EXERCISES OF THE JUNIOR CLASS.

# FOURTH MONTH 15TH, 1886.

"Have we had the Golden Age of American Literature?"

J. Howe Adams, Philadelphia, Pa.

"Some Modern Forms of Superstition,"
Arthur H. Baily, Spiceland, Ind.

"Generosity of the Age,"
Allen B. Clement, Camden, N. J.

"The Regeneration of Italy,"
WILLIAM H. FUTRELL, Rich Square, N. C.

"Gautama,"
Alfred C. Garrett, Germantown, Pa.

"The Heart of Africa,"
Henry H. Goddard, Vassalboro, Me.

"Wolfe and Quebec,"
Jesse E. Philips, Jr., E. Nantoneal, Pa.

"English Democracy,"
Frank L. Young, Union Springs, N. Y.

# ORDER OF EXERCISES AT COMMENCEMENT.

### SIXTH MONTH 22D, 1886.

A Salutatory Oration in Latin, EDWARD D. WADSWORTH, Hallowell, Me.

"Napoleon Bonaparte,"

HORACE E. SMITH, Philadelphia, Pa.

"Socialism in America,"

JONATHAN DICKINSON, JR., Poughkeepsie, N. Y.

"The Clapp-Griffith Process,"
GUY ROCHE JOHNSON, Longdale, Va.

"History in Art,"

WILFRED W. WHITE, Raysville, Ind.

Valedictory,

THOMAS W. BETTS, Wilmington, O.

# BACCALAUREATE ADDRESS, JAMES WOOD, A. M.

### **DEPARTMENT OF ARTS AND SCIENCE:**

FIRST SCHOLAR,
JONATHAN DICKINSON, Jr.

# **SCIENTIFIC DEPARTMENT:**

FIRST SCHOLAR,
GUY ROCHE JOHNSON.

THE FOLLOWING

# **DEGREES**

# WERE CONFERRED AT THE COMMENCEMENT IN 1886.

# BACHELORS OF ARTS.

JONATHÁN DICKINSON, JR., HORACE EUGENE SMITH,
ALEXANDER HARVEY SCOTT, EDW'D DORLAND WADSWORTH.

# BACHELORS OF SCIENCE.

THOMAS WADE BETTS,
GUY ROCHE JOHNSON,
WILLIAM STUART McFARLAND,
ISRAEL MORRIS, Jr.,
WILLIAM PAUL MORRIS,
ALFRED MOTT UNDERHILL, Jr.,
WILFRED WALTON WHITE.

The following degrees were granted upon examination:

# MASTERS OF ARTS.

ISAAC THORNE JOHNSON,
RUFUS MATTHEW JONES,
JOSEPH LYBRAND MARKLEY.

# DOCTOR OF LAWS.

The degree LL.D. was bestowed honoris causa on EDWARD H. MAGILL, A. M.

# PROGRAMME OF RECITATIONS

### FOR THE

### FIRST HALF-YEAR, 1888-86.

		SE					
SENIOR	9.30-10.30, Scripture.	***************************************	11-12. Butler.	2-3. Engineering	3-4. French,		
JUNIOR	Scripture.	***************************************	Rhetoric.	Klementary Greek. Italian (1.30–2.30). Engineering.	Latin (2,30–3,30). French.		
SOPHOMORE.	Scripture.	***************************************	Ethics.		Trigonom. (2.30-3.30)		
FRESHMEN	Scripture.		Geometry. v	German.	Letin.		
		-	THIRD DAY.				
america.	9-10.	10-11.	11-12.	2-3.	3-4,		
SENIOR	Latin. Anal. Chem.	Astronomy. Anal. Chem.	Psychology.		History.		
JUNIOR	German.	German	French.	Anal. Chemistry.	Anal. Chemistry.		
00112022	Desc. Geom.	Shop Work.	Shop Work.	Shop Work	Shop Work.		
SOPHOMORE.		Shop Work. Shop Work.	Greek.	Anal. Chemistry.	Latiu.		
	German.		French.	Shop Work.	Anal. Chemistry.		
FRESHMEN	Was Dist	Charle	Rhetoric.	Oh Wash	Shop Work.		
FRESHMEN	Nat. Pull.	Greek.		Shop Work.	Science. Shop Work,		
			FOURTH DAY.				
· ·	9-10.	10-11.	11-12.	2-3	3.4.		
SENIOR	Mechanics.	Greek. Anal, Chem.	Anal. Chem.	Elementary Greek.	Dutier.		
JUNIOR	Greek	Aust. Cacu.	Latin.	Anal. Chem.	Anal. Chemistry.		
	Anal. Geom.		Physics.				
	Mechanics		•				
SOPHOMORE.	Anal. Geom.	Trigonometry.	Greek.	Anal. Chem.	Latin.		
	T	Drawing.	Physics.	Ob 117 b-	Anal. Chemistry.		
freshmen	LAUD.	German.	Geometry.	Shop Work.	Sc.ence. Shop Work.		
			FIETU DAY				
	0.00.000		FIFTH DAY.		• •		
SENIOR	8.30-9.30. Greek.	9.30-10.30. Anal, Chem.	ll Mastine	2-3	3-4. History.		
BENIUR	Mechanics.	Ann. Chem.	Meeting.	******************************	nistory.		
JUNIOR	Rhetoric.	German.	Meeting.	Italian.	Geology.		
	Mechanics.				-		
				Drawing.			
	Trigonometry.	Drawing.	Meeting.	2124126.	Natural Philosophy. Drawing.		
	•	Drawing.	Meeting. Meeting.	Greek.			
	•			· ·	Drawing.		
	Latin.		Meeting.	Greek. German.	Drawing. Natural Philosophy.		
FRESHMEN	Latin. 9-10	10-11.	Meeting.  BIXTH DAY.  11-12.	Greek. German. 2-3.	Drawing. Natural Philosophy.		
FRESHMEN	Latin. 9-10	10-11. Latin.	Meeting.  BIXTH DAY.  11-12.	Greek. German.	Drawing. Natural Philosophy.		
FRESHMEN	9-10 French.	10-11. Latin. Astronomy. French.	Meeting.  BIXTH DAY.  11-12. Engineering.  Anal. Geom.	Greek. German. 2-3.	Drawing. Natural Philosophy.  3-4. Anal. Chemistry. Greek.		
FRESHMEN  SENIOR	9-10 French.	10-11. Latin. Astronomy.	Meeting.  BIXTH DAY. 11-12. Engineering. Anal. Geom. Engineering. Greek.	Greek. German.  2-3. Anal. Chemistry.	Drawing Natural Philosophy.  3-4. Anal. Chemistry. Greek. Physics. Latin,		
SOPHOMORE.  FRESHMEN  SENIOR  JUNIOR  SOPHOMORE.  FRESHMEN	9-10 French. French.	10-11. Latin. Astronomy. French. Desc. Geom.	Meeting.  BIXTH DAY. 11-12. Engineering. Anal. Geom. Engineering.	Greek. German.  2-3. Anal. Chemistry. German.	Drawing Natural Philosophy.  3-4.  Anal, Chemistry.  Greek. Physics.		
FRESHMEN  BENIOR  JUNIOR  SOPHOMORE.	9-10 French. French.	10-11. Latin. Astronomy. French. Desc. Geom. French. Greek.	Meeting.  BIXTH DAY.  11-12. Engineering. Anal. Geom. Engineering. Greek. Anal. Geom. Rhetoric.	Greek. German.  2-3. Anal. Chemistry. German. German.	Drawing Natural Philosophy.  3-4. Anal. Chemistry.  Greek. Physics. Latin. Physics.		
FRESHMEN  BENIOR  JUNIOR  SOPHOMORE.	9-10 French. Frencb. Nat. Phil. Nat. Phil.	10-11. Latin. Astronomy. French. Desc. Geom. French.	Meeting.  BIXTH DAY.  11-12. Engineering.  Anal. Geom. Engineering. Greek. Anal. Geom.	Greek. German.  2-3. Anal. Chemistry. German. German.	Drawing Natural Philosophy.  3-4. Anal. Chemistry.  Greek. Physics. Latin. Physics.		
FRESHMEN  SENIOR  JUNIOR  SOPHOMORE,  FRESHMEN	9-10 French. French. Nat. Phil. Nat. Phil.	10-11. Latin. Astronomy. French. Desc. Geom. French. Greek.	Meeting.  BIXTH DAY.  11-12. Engineering. Anal. Geom. Engineering. Greek. Anal. Geom. Rhetoric.	Greek. German.  2-3. Anal. Chemistry. German. German.	Drawing Natural Philosophy.  3-4. Anal. Chemistry.  Greek. Physics. Latin. Physics.		
FRESHMEN  SENIOR  JUNIOR  SOPHOMORE,  FRESHMEN	9-10 French. French. Nat. Phil. Nat. Phil. 8.30-9.30. Psychology.	10-11. Latin. Astronomy. French. Desc. Geom. French. Greek.	Meeting.  BIXTH DAY.  11-12. Engineering. Anal. Geom. Engineering. Greek. Anal. Geom. Rhetoric.	Greek. German.  2-3. Anal. Chemistry. German. German.	Drawing Natural Philosophy.  3-4. Anal. Chemistry.  Greek. Physics. Latin. Physics.		
FRESHMEN  SENIOR	9-10 French. French. Nat. Phil. Nat. Phil. 8.30-9.30. Psychology. Greek.	10-11. Latin. Astronomy. French. Desc. Geom. French. Greek.	Meeting.  BIXTH DAY.  11-12. Engineering. Anal. Geom. Engineering. Greek. Anal. Geom. Rhetoric.	Greek. German.  2-3. Anal. Chemistry. German. German.	Drawing Natural Philosophy.  3-4. Anal. Chemistry.  Greek. Physics. Latin. Physics.		
FRESHMEN  BENIOR  JUNIOR  FRESHMEN  BENIOR  JUNIOR	9-10 French. French. Nat. Phil. Nat Phil. 8.30-9-30. Psychology. Greek. Anal. Geom.	10-11. Latin. Astronomy. French. Desc. Geom. French. Greek.  9.30-10.30. Eng. History. Geology.	Meeting.  BIXTH DAY.  11-12. Engineering. Anal. Geom. Engineering. Greek. Anal. Geom. Rhetoric.	Greek. German.  2-3. Anal. Chemistry. German. German.	Drawing Natural Philosophy.  3-4. Anal. Chemistry.  Greek. Physics. Latin. Physics.		
FRESHMEN  SENIOR  JUNIOR  SOPHOMORE,  FRESHMEN	9-10 French. French. Nat. Phil. Nat Phil. 8.30-9-30. Psychology. Greek. Anal. Geom.	10-11. Latin. Astronomy. French. Desc. Geom. French. Greek.	Meeting.  BIXTH DAY.  11-12. Engineering. Anal. Geom. Engineering. Greek. Anal. Geom. Rhetoric.	Greek. German.  2-3. Anal. Chemistry. German. German.	Drawing Natural Philosophy.  3-4. Anal. Chemistry.  Greek. Physics. Latin. Physics.		
FRESHMEN  BENIOR  JUNIOR  FRESHMEN  BENIOR  JUNIOR	9-10 French. French. Nat. Phil. Nat. Phil. 8.30-9.30. Psychology. Greek.	10-11. Latin. Astronomy. French. Desc. Geom. French. Greek.  9.30-10.30. Eng. History. Geology.	Meeting.  BIXTH DAY.  11-12. Engineering. Anal. Geom. Engineering. Greek. Anal. Geom. Rhetoric.	Greek. German.  2-3. Anal. Chemistry. German. German.	Drawing Natural Philosophy.  3-4. Anal. Chemistry.  Greek. Physics. Latin. Physics.		

# PROGRAMME OF RECITATIONS

### SECOND HALF-YEAR, 1885-86.

	•	SECO	ND DAY.		•	
	9.30-10.30.	10.30-11.30.	11-12.	2-3.	3-4.	
SENIOR		***************************************	Anglo-Saxon.	Astronomy. Engineering.	Greek. French. A.	
JUNIOR	Beripture.	*** **************************	Political Econ.	Psychology. Engineering.	French. A.	
SOPHOMORE,	Scripture,	Mech, Dr'w'g, Sc. and Eng.	Greek. Mech. J'raw'g. Sc. and Eng.	Constitutional Law.	French. A.	
FRESHMEN	Scripture.	••••••••••		German. C. Fr'h'd Drwg (1.30-3).	Latin. Freeh'd Drwg.	
		THIE	ID DAY.		-	
SENIOB	9-10.   Latin. Mechanics.	10-11. Psychology.	11-12. Astronomy.	2-3. Elementary Greek.	<b>8-4.</b>	
JUNIOR	Calculus, Mechanics.	Greek,	French. B.	Chemistry.	Latin.	
SOPHOMORE.	Calculus.	Trigonometry. Shop Work,	Chemistry. French B. Shop Work.	Chemistry.	Chemistry. Paley. Chemistry.	
Freshmen	Latin.	Shop Work.	Greek. Chemistry.	German, C.	Algebra.	
		FOUR	TH DAY.			
	9-10.	19-11.	11-12.	2-3.	3-4.	
senior	Latin. Mechanics.	German. A. Chemistry.	Chemistry.	Elementary Greek.	History.	
JUNIOR	German. B. Calculus(8.30-9.30). Mechanics.	German. A.	Latin.	Shop Work.	Psychology. Shop Work.	
SOPHOMORE.		Chemistry.	Latin. Chemistry.	Greek. Zoology. Shop Work.	Zoology. Shop Work.	
freshmen	Greek. Chemistry.	***************************************	History.	Shop Work.	Latin. Shop Work.	
		FIET	H DAY.		<del></del>	
	8.30-9.30,	9.30-10,30,	11.	2.3.	3-4.	
SENIOR	A natomy.	History. B.	Meeting.	Christian Doctrine.	German. A.	
JUNIOR	Astronomy.	Physics.	Meeting.	German. B.	German. A.	
SOPHOMORE.	Chemistry.	Physics.	Meeting.	German. B.	Trigonometry.	
Preshmen	Greek. Chemistry.	Algebra.	Meeting.		Science. Trigonometry.	
		SIXT	H DAY.			
	9-10.	10-11.	11-12.	2-3.	8-4.	
SENIOB	Greek. French. A.	Interna, Law.	Anatomy.	History.		
JUNTOR SOPHOMORE.	French. A. Freuch. A.	French. B. Latin.	Greek. Greek.	Physics. Physics.	Astronomy. Paley.	
PRESHMEN.		French B. Meteorology.	Algebra.	Mechan. Drawing.	Mech. Draw'g. History.	
I MESTIMAN.	German. C.	Brettorology.	2.80014.	mochau. Diawing.	Mech. Draw'g	
			ITH DAY.			
SENIOR	8.30-9.30. Psychology.	9,30-10.30. History. B.	•			
JUNIOR	Engineering. Greek.	Psychology.				
*********	Calculus. Engineering.					
SOPHOMORE.	Constitution. Law. Calculus.	Trigonometry.				
Preshmen		Science. Trigonometry.				

Science.
Trigonometry.

# SUMMARY OF THE ACCOUNT OF THE TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE,

From Eighth mo. Sist, 1885, to Eighth mo. Sist, 1886.
RECKIPTS.

Balance, I	lighth mo	. 31st, 1885,	in hands of	Treasur Dean, .	er,	:::::	\$496 51 21 9	
Income fr	om Invest	menta—Ge	neral or En	dowmen	t Fund.		. \$5,928 11 . 238 67 . 232 27 . 577 18 . 951 55 . 1,438 90	\$517 80
Income, in	111100	Th	omas P. Cor	e Fund.		• • • • • •	238 67	
**	**	Ed	ward Yarqa	ill Fund,			232 27	
"	"	İnf	rary Fund,				577 18	
		J. Y	. Willams	on Fund	i kind	· · · · ·	951 55	
**		Sne	cial Fund,	WGIIIOLIS	ı runu,	,	49 00	
**	**		vid Scull Fr					
								9.482 88
Rents,	3.5 3.5 %							1,892 00
Income cr	edited to I	PIDCIDEI F	IP CONTINGO	nt annonii	18			491 50
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# REPORT OF TREASURER

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# HAVERFORD COLLEGE LIBRARY COMMITTEE.

# FOR YEAR ENDING 10th MONTH 11th, 1886.

	•		R	ECEI	PTS							
Balance, 10th mo. 11th	h, 18	84,									\$89 7	5
Treasurer of Corpora	tion,										577 1	8
Books sold, etc., .	•										20 4	5
Interest on Deposits,		•			•	•	•	•	•		1 5	5
											\$688 9	3
			PA	YMI	ent	3.					*****	•
Books,									\$256	02		
Binding,									28	<b>52</b>		
Periodicals,									109	21		
Expressage and Freig	ht,								10	50		
Shelf numbers, .									1	50		
Balance, 10th mo. 11t	h, 18	86,							283	18		
•	•	•							_		\$688 9	3

# STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth-day in the Third, Sixth, Ninth, and Twelfth months.

# LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

# FORM OF LEGACY.

I give and bequeath (if personal)—devis	se (if real) to "The Corpora
tion of Haverford College," the Sum of	
	(or if real estate
describe it)	to have
and to hold, to them, their successors and	assigns, to the use of the said
"The Corporation of Haverford College," t	their successors and assigns.

# CIRCULAR.

### HAVERFORD COLLEGE

is situated on the Pennsylvania Railroad, nine miles from Philadelphia.

# COURSES OF STUDY.

There are three regular courses given, of four years each.

I. Course in Arts and Science, leading to the degree of Bachelor of Arts.

In this course Latin is required three years, and Greek and Mathematics two. French and German, Literature, History, Philosophy, Logic, Rhetoric, and the Sciences are embraced in the course. Partial election in all the courses during the last two years admits of some concentration of efforts on one or more branches.

II. COURSE IN GENERAL SCIENCE AND LITERATURE, leading to the degree of Bachelor of Science.

Mathematics is required through three years, Latin through one year. Greek is not required at all, but the opportunity is offered of studying it. Particular attention is given to Modern Languages and to the Sciences. Courses I and II are both designed to give broad and general culture.

III. Course in Practical Science and Engineering, leading to the degree of Bachelor of Engineering.

Neither Latin nor Greek is required. The time thus gained is occupied by Mathematics, the Modern Languages, a certain amount of general culture, and work with Engineering instruments in the field, in the machine shop, and in the draughting rooms.

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# REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

### Course I.

· GREEK.—Grammar, three Books of the Anabasis, two books of Homer, prose Composition.

LATIN.—Grammar, four Books of Cæsar, four Books of Vergil's Æneid, four Orations of Cicero, prose Composition.

MATHEMATICS.—Arithmetic, Algebra to Quadratic Equations of Two Unknown Quantities, three Books of Geometry.

ENGLISH.—Grammar and Composition; Political and Physical Geography; Greek, Roman, and United States History.

German and French as given under Course III will be accepted in place of Greek.

### COURSE II.

LATIN.—As in Course I.

MATHEMATICS.—As in Course I, with the addition of the Theory and use of Logarithms.

ENGLISH.—As in Course I.

Science.—The Elements of Physics and of Human Physiology.

German and French as given under Course III will be accepted in place of Latin.

### Course III.

MATHEMATICS.—As in Course II.

English.—As in Course I.

SCIENCE.—As in Course II.

GERMAN.—Grammar and Whitney's Reader, Boisen's German Prose, Schiller's "Wilhelm Tell," Goethe's "Iphigenie auf Tauris."

FRENCH.—Chardenal's First and Second French Courses.

Latin as in Course I will be accepted in Course III in place of German and French.

The object of the above requisites, in the different Courses, is to test the ability of the candidate to pursue the studies of the Freshman Class. Equivalents may be substituted for the books mentioned. Any candidate whose examination indicates ability to advance with his class, will be allowed to make up deficiencies by extra work after admission.

### EXAMINATIONS FOR ADMISSION.

Examinations for admission will be held at the College on Sixth month 20th, 1887, at 9.30 A. M., and on Ninth month 13th, 1887, at 9.30 A. M. Applicants are encouraged to present themselves at the first date for examination, on at least part of the requirements.

The certificates of teachers of certain recognized schools will be accepted in place of examination, so far as they cover our requirements. Blank forms for such teachers to fill up will be forwarded on application.

### EXPENSES.

The College charges five hundred dollars a year for board and tuition. In addition, the average annual cost of washing is about eighteen dollars a year; of books and stationery, about twenty-five dollars; of incidentals, ten dollars or less. These items are charged on the term bills, if desired.

Day students are charged one hundred and fifty dollars a year for tuition, and two hundred and fifty dollars for tuition and dinner. In case a day student has the full room accommodations of a boarder, he is charged full price, namely, five hundred dollars.

Rooms are assigned in Barclay Hall, in the case of new students, in the order of application. A student can have a single room, or, in conjunction with another, can occupy a suite, consisting of a study and two adjoining bedrooms.

For entry blanks, catalogues, and information address

ISAAC SHARPLESS, Dean,

Haverford College P. O.,

Pennsylvania.

Haverford differs from most colleges in the fact that the small number of students to which it is limited enables a large amount of individual care to be given. This care tells not only in the mental, but also in the physical and moral, well-being of the students.

Physical development is promoted by the wholesome conditions of living in a country locality of acknowledged healthfulness; by the large and beautiful lawn of sixty acres, lying within a farm of about two hundred and fifteen acres, embracing grounds for cricket, football,

baseball, and tennis, and a pond for skating; and by a careful personal examination of each student by a trained physician, who directs the gymnasium exercises. These exercises are required of members of the Freshman and Sophomore Classes. It is our experience that, almost universally, the students improve in health during their college course.

The facilities for instruction embrace a Library of sixteen thousand volumes, to which the students have free access for several hours daily; an Astronomical Observatory, equipped with large instruments of various kinds, which are used for practical instruction; a Chemical Laboratory, with thirty-eight separate working tables and full apparatus for analytical work; a Machine Shop, with engine, lathes, and various tools; together with apparatus for physical experiments, and for surveying and engineering work.

The Professors have been employed with reference, not only to their scholarship, but also to their ability to teach and their general wholesome influence.

The moral standard is maintained by care in the admission of students, and by the separation from the College of such as are believed to be immoral; and by the efforts of officers who acknowledge their responsibilities in this direction, and are willing to exert such influence and take such measures as may be necessary to secure a good moral tone.



# HAVERFORD COLLEGE

1887

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# REPORT



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# HAVERFORD COLLEGE

TENTH MONTH 10TH 1887

PHILADELPHIA: ' ' PRINTED FOR THE COLLEGE.
1887.

# CORPORATION.

# PRESIDENT, WISTAR MORRIS,

No. 209 South Third Street, Philadelphia.

# SECRETARY,

ELLISTON P. MORRIS,

No. 21 North Seventh Street, Philadelphia.

# TREASURER,

ASA S. WING,

No. 409 Chestnut Street, Philadelphia.

### MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
JAMES WHITALL,
JAMES CAREY THOMAS,
PHILIP C. GARRETT,
RICHARD CADBURY,
DAVID SCULL,
BICHARD WOOD,
ROBERT B. HAINES,
FRANCIS T. KING,
WILLIAM R. THURSTON,
CHARLES HARTSHORNE,
JOHN B. GARRETT,

EDWARD BETTLE, JR.,
CHARLES ROBERTS,
FRANCIS WHITE,
BENJAMIN H. SHOEMAKER,
HOWARD COMFORT,
WILLIAM S. TAYLOR,
JUSTUS C. STRAWBRIDGE,
ASA S. WING,
ELLISTON P. MORRIS,
FRANCIS STOKES,
JAMES WOOD,
ABRAM F. HUSTON,
J. PRESTON THOMAS,

WILLIAM H. HAINES.

SECRETARY OF THE BOARD, HOWARD COMFORT,

No. 529 Arch Street, Philadelphia.

# STANDING COMMITTEES OF THE BOARD OF MANAGERS.

### EXECUTIVE COMMITTEE.

JAMES WHITALL. DAVID SCULL, EDWARD BETTLE, Jr.,
RICHARD CADBURY, PHILIP C. GARRETT,

CHARLES ROBERTS. JOHN B. GARRETT,
JUSTUS C. STRAWBRIDGE, HOWARD COMFORT. ASA S. WING.

### COMMITTEE ON FINANCE AND INVESTMENTS.

T. WISTAR BROWN, JOHN B. GARRETT, BENJAMIN H. SHOEMAKER,

DAVID SCULL.

### COMMITTEE ON ACCOUNTS.

CHARLES ROBERTS.

FRANCIS STOKES. RICHARD CADBURY.

# LIBRARY COMMITTEE.

RICHARD WOOD, PHILIP C. GARRETT, CHARLES ROBERTS, HOWARD COMFORT,
JAMES WOOD, WILLIAM S. TAYLOR.

## COMMITTEE ON FARM AND DWELLINGS.

DAVID SCULL, ELLISTON P. MORRIS,

FRANCIS STOKES, ABRAM F. HUSTON,

J. PRESTON THOMAS.

### MUSEUM COMMITTEE.

WILLIAM H. HAINES, DAVID SCULL,

HOWARD COMFORT. ELLISTON P. MORRIS,

ROBERT B. HAINES.

# FACULTY.\*

ISAAC SHARPLESS, Sc. D., PRESIDENT,
AND PROFESSOR OF MATHEMATICS AND ASTRONOMY.

ALLEN C. THOMAS, A.M., LIBRARIAN, AND PROFESSOR OF HISTORY AND RHETORIC.

LYMAN BEECHER HALL, Ph.D.,
JOHN FARNUM PROFESSOR OF CHEMISTRY AND PRIVEICS.

SETH K. GIFFORD, A.M., PROFESSOR OF GREEK AND GERMAN.

JAMES RENDEL HARRIS, A.M.,
PROFESSOR OF BIBLE LANGUAGES AND ECCLESIASTICAL HISTORY.

MYRON R. SANFORD, A.M., REGISTRAB, AND PROFESSOR OF LATIN.

> LEVI T. EDWARDS, A.B., PROFESSOR OF ENGINEERING.

J. PLAYFAIR McMURRICH, Pr. D., DAVID SCULL PROFESSOR OF BIOLOGY.

> †WILLIAM C. LADD, A.M., PROFESSOR OF FRENCH.

\*Arranged primarily as Professors, Lecturers, Instructors, etc., secondarily in the order of appointment.

†Absent for the year in Europe.

\*FRANCIS B. GUMMERE, Ph D, PROFESSOR OF ENGLISH.

ALBERT S. BOLLES, Ph.D., LECTURER ON POLITICAL SCIENCE.

WALTER A. FORD, M.D.,
INSTRUCTOR IN PHYSICAL TRAINING AND DIRECTOR OF THE GYMNASIUM.

SAMUEL LEPOIDS, OFFICIER D'ACADÉMIE, Instructor in French.

> GEORGE H. MAKUEN, A.B., Instructor in Elecution.

ROBERT W. ROGERS, A.B., INSTRUCTOR IN GREEK.

FRANCIS P. LEAVENWORTH, A.B., DIRECTOR OF THE OBSERVATORY.

> FRANK MORLEY, A.M., INSTRUCTOR IN MATHEMATICS.

JOHN JONES, A.M., Instructor in Philosophy.

JONATHAN J. COMFORT, M.D., SECRETARY OF THE COLLEGE.

ALBERT J. EDMUNDS, Assistant in the Library.

<sup>\*</sup>Absent for the year in Europe.

#### VISITING COMMITTEES

OF THE

## BOARD OF MANAGERS.

#### FROM NINTH MONTH TO TWELFTH MONTH VACATION.

HOWARD COMFORT, WISTAR MORRIS, T. WISTAR BROWN, JAMES WHITALL, RICHARD WOOD,
ROBERT B. HAINES,
PHILIP C. GARRETT,
JUSTUS C. STRAWBRIDGE,
ASA S. WING.

#### FROM TWELFTH MONTH VACATION TO FOURTH MONTH FIRST.

FRANCIS STOKES,
ELLISTON P. MORRIS,
JAMES CAREY THOMAS,
FRANCIS T. KING,

WILLIAM R. THURSTON,
DAVID SCULL,
AS, CHARLES HARTSHORNE,
JOHN B. GARRETT,
WILLIAM H. HAINES.

#### FROM FOURTH MONTH FIRST TO COMMENCEMENT.

CHARLES ROBERTS, EDWARD BETTLE, Jr., RICHARD CADBURY, FRANCIS WHITE,

WILLIAM S. TAYLOR,
BENJAMIN H. SHOEMAKER,
JAMES WOOD,
ABRAM F. HUSTON,
J. PRESTON THOMAS.

#### REPORT OF THE BOARD OF MANAGERS

TO

# THE CORPORATION OF HAVERFORD COLLEGE. 1887.

The Managers respectfully report that, notwithstanding unusual changes which have occurred among the Faculty during the past year, the discipline has been well sustained, and the standard of scholarship has not fallen below the excellent record of former years.

At the last Commencement eighteen Seniors Honorary were graduated, and the honorary degree of Doctor of Letters [Ltt.D.] was conferred upon Thomas Kimber in recognition of his knowledge of letters, and in appreciation of the scholarly ability with which he has defended the principles of pure and scriptural Christianity.

There are now at the College eighty-seven stu-Attendents, classified as follows: twenty-one Seniors, twenty-five Juniors, twenty-six Sophomores, and fifteen Freshmen. This slight reduction from the number reported last year is due not to fewer applications, but to more thorough preparation being required in candidates for admission.

In the Eleventh month last our friend Thomas Resignation of Preschase, while traveling abroad, forwarded to the ident Chase Board his resignation as President of the College.

In it he stated that his health had become seriously

impaired by overwork in the double office of Professor and President, and he desired not to be again subjected to an excessive strain of care and labor. The Managers concluded that this request should be granted, and he was accordingly released from his engagements with us.

His services to Haverford.

In accepting this resignation, and thus severing an official connection which has extended over thirty years, the Managers recorded on their minutes their appreciation of the valuable services which President Chase has rendered to the College, and to the cause of liberal education, by his ripe scholarship and skill as an educator. In 1855 he accepted an invitation to the chair of Philology and Literature at Haverford, and in 1875 became President of the College. The support given to the recommendations contained in his letter of acceptance led to many improvements which largely increased the patronage and efficiency of the Institution. In 1878 the honorary degree of Doctor of Laws was conferred upon President Chase by Harvard, and in 1880 Haverford bestowed the degree of Doctor of Letters in remembrance of his twenty-five years of faithful labor, and in recognition of his success as an educator, and also of his services as an active member of the American Committee for the Revision of the New Testament. He edited a series of classical text-books, and, while never omitting regular class work, found time to honor every call which would advance the cause of Christian scholarship. The Managers gratefully acknowledge that the present reputation of Haverford as a nursery of sound learning, and

its promise of greater usefulness in the future, are largely due to the labors and influence of Thomas Chase.

The prolonged illness of the Acting President, Death of Pliny Earle Chase, LL. D., terminated in his Pliny Earle Chase. death in the Twelfth month last.

We append to this Report the minute adopted by the Managers to express their sense of the loss sustained in the removal of this ripe Christian scholar, who has been a member of the Faculty for the past fifteen years.

The selection of a new President claimed the Isaac early attention of the Board, and in the Fourth President month, after careful deliberation, Isaac Sharpless, a graduate of Westtown and Harvard, was unanimously elected to the position. President Sharpless has had eighteen years' experience as a teacher, twelve of which have been passed at Haverford. For several years, as Dean of the Faculty, he has had charge of the discipline and business management, and the ability he has shown in the administration of these important duties justifies the confidence felt by those best acquainted with the traditions and needs of Haverford that his election to the higher office will prove beneficial to the interests of the College.

The exercises of Inauguration Day were held in Exercises on Inauguration Bay. Alumni Hall on the 19th of Fifth month. The President of the Corporation presided, and brief addresses were made by Francis T. King for the Managers, and by Professor J. Rendel Harris on behalf of the Faculty. The address by Professor Clement L. Smith, Dean of Harvard University, who spoke as a representative of the Alumni, and

the Inaugural Address of President Sharpless were interesting and timely essays on current educational questions. The proceedings have been published by order of the Board of Managers.\*

The following additions have been made to our Robert W. Rogers, an A. B. of Johns Hopkins University, has been appointed Instructor in Greek: Francis P. Leavenworth, A. B., a graduate of Indiana University, and for eight years assistant to Professor Stone, of the University of Virginia, becomes Director of the Observatory, and will assist in class work; Frank Morley, M. A. (Cambridge, England), recently Mathematical Master at Bath College, has been appointed Instructor in Mathematics, and Albert S. Bolles, Ph. D., lately Professor and Lecturer in the Wharton School of Finance, at the University of Pennsylvania, and now Chief of the Bureau of Industrial Statistics of this State, will lecture on Political Science.

Francis B. Gummere, Ph. D., a graduate of Haverford, Harvard, and Freiburg, has been appointed Professor of English, with duties beginning at the opening of the next College year.

Dr. Henry Hartshorne, LL. D., who acceptably filled a temporary appointment as Professor of Philosophy, having been released at his own request, John Jones, A. M., a teacher of experience, has been engaged in this department for the current year.

Character

In these and other engagements which have been of new appointments made for the future, no efforts have been spared to

<sup>\*</sup>Copies of the publication can be obtained on application to the Secretary of the Board.

make the instruction Haverford affords as varied and as efficient as is demanded in the best College courses, by endeavoring to secure not only men of talent and ability to do good work in their special lines and teachers of successful experience, but also those who are in sympathy with the spirit and methods of the College and willing to co-operate in carrying them into effect.

By the death of Hannah Scull a large portion of David Scull the legacy of our late friend, David Scull, became The Treasurer received on this account during the year \$4,223 cash, and securities appraised at \$26,977, which, with \$2,800 previously reported, make a total of \$34,000. This amount has been invested as a separate fund, to be known as "The David Scull Fund," which the Board gratefully accepts as an endowment of the Professorship of Biology. There will be a further sum of \$6,000 received hereafter, completing the bequest established by this Fund.

The establishment of this Professorship has Department of awakened a decided interest in the branches it in-Biology. cludes, and an increased number of students have placed Biology among their electives. Besides the usual instruction in Physiology, Geology, and Botany, particular study has been made of such types of animal and plant life as are shown in Shell-fish, Infusoria, Bacteria, Fungi, Moulds, etc., in which each student has been taught to observe for himself the facts upon which important biological deductions are based.

The room which has been provided for laboratory Need of a and microscopic work on the second floor of Found-Hall.

ers' Hall has been made at the expense of the Museum. The greatest need of the College at the present time is a new Science Hall, with improved accommodations for a museum, scientific laboratories, and class-rooms. The Board has had under consideration plans for such a building, but has been obliged to defer action owing to a lack of funds. It is very desirable that the quality of our instruction should not be hampered by this deficiency, and we trust that the friends of the College will enable the Managers to carry out their desires before the expiration of the present College year.

Additions to the Museum. During the summer vacation Professor McMurrich procured for the College, in the Bahamas, a large collection of specimens of corals, sponges, and other sea life illustrative of the characteristic fauna of the West Indian sea.

Two very fine sets of botanical diagrams have been purchased from the income of the Edward L. Scull Fund.

The Libra-

During the year 708 volumes were added to the Library, of which 468 were bought, 196 given, 25 periodicals bound up, and 19 received in exchange for duplicates, making the total number of books in the College Library 11,880. The Society Libraries contain 4,841 volumes in addition to the above, making in all 16,721 volumes accessible to the students.

Notwithstanding additional shelving has been put up, more room is required, and the need is increasing year by year. Partly through the aid of a few friends, an assistant librarian was engaged during half of the College year, whose services were most useful.

For the coming year a competent and experienced assistant has been appointed, the whole of whose time will be given to the Library, and under his supervision it is expected that the Library will assume a place in the curriculum even more important than in the past.

The Librarian also devotes stated hours each week to the purpose of assisting and directing students in their reading, and in the intelligent use of books of reference.

We are again indebted to numerous friends for valuable gifts of books. It is hoped that the Alumni and other friends of the College will bear the Library in mind, and not only give to it themselves, but, when possible, influence others to give. Well selected as the books are, there are very many works of reference and authorities that are much needed and which the income is too small to purchase. An addition to the Library Fund could be used to great advantage.

Lectures have been given by Professor Mandell Locius. Creighton, of Cambridge University, England, on "The Study of History;" by Professor J. Rendel Harris, M. A., on "The Leicester MS. of the New Testament," and by Dr. Henry Hartshorne, LL.D., on "Poetry—Past and Present."

We are indebted to James Wood, M. A., for a course of four lectures on subjects connected with American History, and to Ellis Yarnall, M. A., for another evening of "Historical Recollections." Three illustrated lectures on "Hygiene" were

given by N. A. Randolph, M. D.; one on "Elocution" by Edward Brooks, Ph. D., with "Readings" by George H. Makuen; and on different evenings Professor Monti spoke on "John Milton," and gave his "Personal Reminiscences of Longfellow." Canon Wilberforce attended last Commencement, and gave a stirring extempore address to the students at the conclusion of the exercises.

The Warner

The purchasers of the Warner tract of land have erected two handsome stone dwellings on the avenue leading from the College to the turnpike. The Corporation is under obligations to the Friends who have generously assumed the responsibility of buying and the labor of improving this property for the sole benefit of the College.

The Board has decided to buy a portion of the above tract for the purpose of building two houses much needed for the families of our professors.

The Grammar School.

The Grammar School continues in successful operation and appears to be fulfilling the objects of its foundation both in sending students to enter our classes and in supplying the educational needs of the vicinity. The School has opened the present term with eighty-two pupils.

New Manager.

Our associate, Wm. Penn Evans, having resigned his seat in the Board, owing to ill health, J. Preston Thomas, of Whitford, Pa., was appointed to fill the vacancy.

Physical training.

The results of requiring a certain amount of physical exercise in the Gymnasium under the care of a medical director continue to be gratifying.

The College should encourage all proper recrea-

tion which can be furnished on the grounds, not only for hygienic reasons, but to promote the cause of good discipline by removing the temptation to wander in search of forbidden amusements.

In Sixth month, 1885, our friend, Mary Mar-Legacies. shall Johnson, of Philadelphia, died, providing by her will, among many other charitable bequests, that upon the death of her sister, Sarah Marshall, \$5,000 should be paid to Haverford College "for a perpetual scholarship."

In Sixth month, 1887, Sarah Marshall, also of Philadelphia, died, and by her will made bequest to the College of a like sum for a like purpose. It is probable that both these amounts will be paid during the coming year.

Our friend, Ellen Waln, of Philadelphia, who died in Fifth month, 1887, provided by her will that upon the death of two of her surviving sisters \$10,000 should be paid to the College.

Such evidences of interest in the work of Haverford are exceedingly grateful to the management, and we hope they may be the means of encouraging others to make like provisions in the distribution of their estates.

There has been received during the year \$3,565 Giffs received. on account of the \$50,000 Fund. A gift of \$500 has been received from the executors of the estate of Julianna R. Wood, deceased; this sum has been expended in laying concrete walks around the College buildings.

Various interested friends have made contributions for the following special purposes: \$1,250 toward payment of salaries; \$700 for scholarships; \$220 for the lawn fund; \$105 for the erection of a ball-shed, and \$100 for biological specimens.

Debt extinguished.

The expenditures for the past year, not including those specially provided for by donations, have not exceeded the current receipts. The debt at the close of the fiscal year was only \$689.89. This has since been cancelled by the payment of a subscription to the \$50,000 Fund, enabling us to report the Corporation without debt for the first time in many years.

Needs of the future. Pressing demands, however, for buildings, for residences for professors, and for other needs of the College, will make it necessary to provide means for increased expenditure in the near future.

Conclusion.

A review of the present condition of Haverford impresses us with the conviction that the institution is in a good degree fulfilling the objects of its foundation. The course of instruction and the details of discipline approved by the judgment of fifty years ago are necessarily modified by changes of time, but the furnishing of a higher education under religious and moral influences must ever be our It is the earnest desire of the Managers that parents and all those in authority should co-operate in promoting this end. We believe that the blessing of our Heavenly Father will rest on those who by a sound belief and a religious example seek to establish the lasting value of that training which moulds the Christian character as well as develops the intellect.

By direction of the Board,

WISTAR MORRIS,

HOWARD COMFORT, Secretary.
Philadelphia, Tenth mo, 10th, 1887.

President.

#### PLINY EARLE CHASE, LL. D.

At a special meeting of the Board of Managers of the Corporation of Haverford College, held First month 4th, 1887:

It becomes the sad duty of the Board to record the death of Pliny Earle Chase, LL.D., Professor of Philosophy and Logic, and Acting President of the College, which occurred at his residence, on the College grounds, on the evening of the 17th of Twelfth month, 1886.

He was stricken with pneumonia about a year previously, which developed such a complication of diseases that he was never again restored to his usual health.

At intervals he met a few of his classes, and was able to perform the duties of Acting President at the College Commencement in Sixth month, 1886. His naturalness on this occasion, and the grace and dignity with which the duties were performed, encouraged the hope that the improvement in his health might continue, and he be spared for much added usefulness as an instructor. On his return in the Ninth month from New England, where he had spent the summer, it was evident that the expectation of improvement from change of climate had not been realized.

Disease steadily progressed, and a slight cold, contracted near the middle of last month, terminated his earthly life a few days later.

Professor Chase was a man of rare gifts and attainments, probably without an equal in range and extent of scholarship among Friends in America.

Speaking eight languages, and with the aid of diction-

aries reading over one hundred languages or dialects, he was at the same time a thorough mathematician, largely versed in the natural sciences and in metaphysical studies. Yet above all this extensive scholarship he shone as the humble Christian and minister of Christ, exemplifying in his daily life the fruits of the Spirit, and impressing upon the minds of his students the superiority of that wisdom which is from above. His testimony for Christ was frequently given in the meetings for worship at Haverford and elsewhere with singular simplicity and impressiveness.

During the last few years of his life he held the office of Overseer in the Monthly Meeting of Friends of Philadelphia for the Western District, of which he was a member.

We make this brief record of the life and character of our departed friend with a deep sense of our personal loss and that of the institution in which he labored for about fifteen years with such devotion and fruitfulness, and in recognition of our conviction that his character and attainments were large factors in advancing Haverford to the position which it has attained among American colleges.

Taken from the minutes,

Howard Comfort, Secretary.

#### ORDER OF THE

## Public Exercises of the Junior Class.

#### FIFTH DAY, FOURTH MONTH 7TH, 1887.

"Gustavus Adolphus,"

M. B. Stubbs, Philadelphia, Pa.

"Social Discontent,"

WILLIAM DRAPER LEWIS, Philadelphia, Pa.

"A Plea for Peace,"

JOSEPH W. SHARP, JR., Berwyn, Pa.

"The Pessimist,"

H. S. ENGLAND, Wilmington, Del.

"The Chinese in America,"

E. Morris Cox, McPherson, Cal.

"A Beleaguered City,"

F. W. Morris, Jr., Philadelphia, Pa.

#### FIFTH DAY, FOURTH MONTH 14TH, 1887.

"The Development of the Modern Steam Engine,"
J. E. Johnson, Jr., Longdale, Va.

"About the Federal Convention,"

J. P. NIELDS, Wilmington, Del.

"The Maid of Orleans,"

JOSEPH T. HILLES, Wilmington, Del.

"Fire and Frost,"

THOMAS J. ORBISON, Bellefonte, Pa.

"The Hundred Days,"

CHARLES H. BATTEY, Providence, R. I.

"Mirabeau,"

F. C. HARTSHORNE, Merion, Pa.

"The Alexandrian School,"

M. E. LEEDS, Philadelphia, Pa.

## ORDER OF EXERCISES AT COMMENCEMENT.

#### SIXTH MONTH 21st, 1887.

"Latin Salutatory,"

BARKER NEWHALL, Lynn, Mass.

"Church Reformation of the Second Century,"

FREDERIC H. STRAWBRIDGE, Philadelphia, Pa.

"A Safe Philosophy,"

ALFRED C. GARBETT, Germantown, Pa.

"Individuality,"

HENRY H. GODDARD, Vassalboro, Maine.

"The Question of the Hour,"

WILLIAM H. FUTRELL, Rich Square, N. C.

Valedictory Address,

JESSE E. PHILIPS, JR., East Nantmeal, Pa.

#### BACCALAUREATE ADDRESS,

J. RENDEL HARRIS, M. A.

#### **DEPARTMENT OF ARTS AND SCIENCE:**

FIRST SCHOLAR,
ALFRED COPE GARRETT.

#### SCIENTIFIC DEPARTMENT:

FIRST SCHOLAR,
WILLIAM WEBSTER TRIMBLE.

THE FOLLOWING

### DEGREES

### WERE CONFERRED AT THE COMMENCEMENT IN 1887.

#### BACHELORS OF ARTS.

EDWARD BUCHANAN CASSATT, WILLIAM HARRISON FUTRELL, ALFRED COPE GARRETT, HENRY HERBERT GODDARD, WILLIS HATFIELD HAZARD, BARKER NEWHALL, JESSE EVANS PHILIPS, JR., HENRY WARRINGTON STOKES, FREDERIC HEAP STRAWBRIDGE, RICHARD JANNEY WHITE, GEORGE BACON WOOD, WILLIAM CONGDON WOOD.

#### BACHELORS OF SCIENCE.

ARTHUR HALLAM BAILY, CHARLES HAMPTON BEDELL, HORACE YOUNG EVANS, Jr., HUGH LESLEY, WILLIAM WEBSTER TRIMBLE.

## BACHELOR OF ENGINEERING.

P. HOLLINGSWORTH MORRIS.

#### DOCTOR OF LETTERS.

The degree LTT. D. was bestowed honoris causa on

THOMAS KIMBER, of the Class of 1842.

# PROGRAMME OF RECITATIONS

FOR THE

#### FIRST HALF-YEAR, 1886-87.

S	E	C	0	N	D	D	۸	Y.

		2500	ND DAY.		
	9.30-10.15.	10,15-11,	11-12.	2-3,	3-4.
SENIOR	Scripture. Sc.	Scripture. Cl. Engineering.	Psychology. Math. Eng.	German. A. Astronomy.	History.
JUNIOR	Scripture. Sc.	Scripture. Cl.	Anal. Geo.		Greek.
SOPHOMORE.	Scripture. Cl. Scripture. Sc.	Engineering History. Sc.	History. Cl.	***************************************	Descrip Geom. Trigonometry.
FRESHMEN		***************************************	Scripture.		Anatomy.
		THIR	D DAY.		
SENIOR	9–10, Latin. Astronomy.	10-11. Engineering.	11-12. German. B. Math. Eng.	2-3. German. A. An. Chemistry.	3-4. Groek. U. S. History. An Chemistry.
JUNIOR SOPHOMORE.	Greek. Physics. Physics.	Anal. Geom. Engineering. Greek.	German. B. Freuch. C. French. C.	An. Chemistry.  An. Chemistry.	An. Chemi-try Latin.
FRESHMEN.	Latin.	French. D.	History.		Geometry.
			<del></del>		
			TH DAY.		
SENIOR	9–10. Latin Biology.	10-11. Biology.	11-12. German. B.	2-3. French. A. An. Chemistry.	3-4. Greek. U. S. History. An. Chemistry.
JUNIOR	History.	German, C.	German. B.	An. Chemistry.	An. Chemistry
SOPHOMORE.	Descrip. Geom. Trigonometry.	German, C.	French. C. El. Physics. French. C.	An Chemistry.	Latin
FRESHMEN.	Latin.	French. D.	Trigonometry.	Mech. Drawing.	Greek Mech. Drawing.
		CICTI	LAN		
	8 20 0 20		I DAY.	0.2	9.4
SENIOR	8.30–9.30. History.	9.30-10.30. Mechanics.	I DAY. 11. Meeting.	2-3 French. B. Shop Work.	3-4. Psychology. Shop Work.
SENIOR	History.  Geology.	9.30-10.30. Mechanics. Christian Doc. Mechanics.	11.		
	History.	9.30-10.30. Mechanics. Christian Doc.	11. Meeting.	French. B. Shop Work. French B. Shop Work. Biology.	Psychology. Shop Work. Latin. Shop Work. Greek.
JUNIOR SOPHOMORE. FRESHMEN.	History. Geology. Ethics. Latin. German. D.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.	11. Meeting. Meeting.	French. B. Shop Work. French B. Shop Work.	Psychology. Shop Work. Latin. Shop Work.
JUNIOR SOPHOMORE. FRESHMEN.	History. Geology. Ethics. Latin.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.	11. Meeting. Meeting. Meeting. Meeting.	French. B. Shop Work. French B. Shop Work. Biology.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology.
JUNIOR SOPHOMORE. FRESHMEN.	History. Geology. Ethics. Latin. German. D.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.	11. Meeting. Meeting. Meeting. Meeting. Heating.	French B. Shop Work. French B. Shop Work. Biology.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.
JUNIOR SOPHOMORE. FRESHMEN.	History. Geology. Ethics. Latin. German. D. 9-10. Christian Doc. French A.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.	11. Meeting. Meeting. Meeting. Meeting.	French. B. Shop Work. French B. Shop Work. Biology.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology.
JUNIOR SOPHOMORE. FRESHMEN.	History. Geology. Ethics. Latin. German. D.  9-10. Christian Doc. French A. Shop Work. Latin	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.  SIXT 10-11. Biology. Shop Work.	Meeting. Meeting. Meeting. Meeting. Meeting. H DAY. 11-12. Blology. Mechanics. German C.	French. B. Shop Work. French B. Shop Work. Biology.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.
JUNIOR SOPHOMORE. FRESHMEN. SENIOR	History. Geology. Ethics. Latin. German. D. 9-10. Christian Doc. French A. Shop Work.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.  SIXT 10-11. Biology. Shop Work.	11. Meeting. Meeting. Meeting. Meeting.  H DAY. 11-12. Blology. Mechanics. German C. Mechanics. Latin.	French. B, Shop Work. French II, Shop Work. Biology	Psychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.  3-4. History.  Anal. Geom. El. Physics.
JUNIOR SOPHOMORE. FRESHMEN. SENIOR	History. Geology. Ethics. Latin. German. D.  9-10. Christian Doc. French A. Shop Work. Latin. Shop Work.	9.30-10.30, Mechanics, Christian Doc. Mechanics. El. Physics. Greek. French. D.  SIXT 10-11, Biology, Shop Work.	Meeting. Meeting. Meeting. Meeting. Meeting. Melting. Melting. Melting. Gorman C. Mechanics. Latin. German C.	French. B. Shop Work. French B. Shop Work. Biology.  2-3. French. B.	Paychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.  3-4. History.  Anal. Geom.
JUNIOR SOPHOMORE.  SENIOR  JUNIOR SOPHOMORE.	History. Geology. Ethics. Latin. German. D.  9-10. Christian Doc. French A. Shop Work. Latin. Shop Work.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.  SIXT 10-11. Biology. Shop Work. Physics.	Meeting. Meeting. Meeting. Meeting. Meeting. H DAY. 11-12. Biology. Mechanics. German C. Mechanics. Latin. German. C. History.	French. B. Shop Work. Freuch B. Shop Work. Biology.  2-3. French. B. Greek. French. B. Mech. Drawing.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.  3-4. History.  Anal. Geom. Rl. Physics. Mech. Drawing.
JUNIOR SOPHOMORE.  SENIOR  JUNIOR SOPHOMORE.	History. Geology. Ethics. Latin. German. D.  9-10. Christian Doc. French. A. Shop Work. Latin. Shop Work. Greek. Geometry.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.  SIXT 10-11. Biology. Shop Work. Physics	Meeting. Meeting. Meeting. Meeting. Meeting. Melting. Melting. Melting. Gorman C. Mechanics. Latin. German C.	French. B. Shop Work. Freuch B. Shop Work. Biology.  2-3. French. B. Greek. French. B. Mech. Drawing.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.  3-4. History.  Anal. Geom. Rl. Physics. Mech. Drawing.
JUNIOR SOPHOMORE. SENIOR JUNIOR SOPHOMORE. FRESHMEN.	History. Geology. Ethics. Latin. German. D.  9-10. Christian Doc. French. A. Shop Work. Latin Shop Work. Greek.  Geometry.  8 30-9 30. Psychology. Math. Eng.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.  SIXT 10-11. Biology. Shop Work. Physics. Physics.  SEVER 9.30-10.30. History.	Meeting. Meeting. Meeting. Meeting. Meeting. H DAY. 11-12. Biology. Mechanics. German C. Mechanics. Latin. German. C. History.	French. B. Shop Work. Freuch B. Shop Work. Biology.  2-3. French. B. Greek. French. B. Mech. Drawing.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.  3-4. History.  Anal. Geom. Rl. Physics. Mech. Drawing.
JUNIOR SOPHOMORE. FRESHMEN. SENIOR JUNIOR SOPHOMORE. FRESHMEN.	History. Geology. Ethics. Latin. German. D.  9-10. Christian Doc. French A. Shop Work. Latin. Shop Work. Greek. Geometry.  8 30-9.30. Psychology.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.  SIXT 10-11. Biology. Shop Work. Physics. Physics.	Meeting. Meeting. Meeting. Meeting. Meeting. H DAY. 11-12. Biology. Mechanics. German C. Mechanics. Latin. German. C. History.	French. B. Shop Work. Freuch B. Shop Work. Biology.  2-3. French. B. Greek. French. B. Mech. Drawing.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.  3-4. History.  Anal. Geom. Rl. Physics. Mech. Drawing.
JUNIOR SOPHOMORE. SENIOR JUNIOR SOPHOMORE. FRESHMEN.	History. Geology. Ethics. Latin. German. D.  9-10. Christian Doc. French. A. Shop Work. Latin Shop Work. Greek.  Geometry.  8 30-9 30. Psychology. Math. Eng.	9.30-10.30. Mechanics. Christian Doc. Mechanics. El. Physics. Greek. French. D.  SIXT 10-11. Biology. Shop Work. Physics. Physics.  SEVER 9.30-10.30. History.	Meeting. Meeting. Meeting. Meeting. Meeting. H DAY. 11-12. Biology. Mechanics. German C. Mechanics. Latin. German. C. History.	French. B. Shop Work. Freuch B. Shop Work. Biology.  2-3. French. B. Greek. French. B. Mech. Drawing.	Psychology. Shop Work. Latin. Shop Work. Greek. Biology. Geometry.  3-4. History.  Anal. Geom. Rl. Physics. Mech. Drawing.

# PROGRAMME OF RECITATIONS

FOR THE

#### SECOND HALF-YEAR, 1886-87.

			ID DAY.			
SENIOR	9.30-10.15. Scripture. Sc. Scripture. Sc.	10.15-11. Scripture. Cl. Engineering Scripture Cl. Engineering.	Math, Eng.	2–3. German. A. Astronomy.	3-4. Political Econ. Logic. Anal. Geom.	
SOPHOMORE. FRESHMEN.	Scripture, Cl. Scripture, Sc. Physiology.	History. Sc.	History. Cl. Scripture	F. H. Drawing Shop Work.	Greek.	
		THIR	D DAY.			
SENIOR	9-10. Latin. Astronomy.	10-11. English. Engineering.	11-12. German. B. Math. Eng.	2–3 German A. An. Chemistry	3-4. Greek. U. S. History. An Chemistry.	
JUNIOR , SOPHOMORE.	Greek. Org. Chemistry. Org. Chemistry.	Greek.	German. B. French. C. El. Chemistry. French. C.	******	An Chemistry. Latin.	
FRESHMEN.	Latin.	French. D.	History.		Algebra.	
_		FOUR	TH DAY.			
SENIOR	9-10. Latin. Biology.	10-11. Biology.	11-12. German. B.	2-3 French. A An. Chemistry.	3-4. Greek. U. S. History. An. Chemistry.	
JUNIOR	History.	German. C. Descrip, Geom.	German. B French. C.	An. Chemistry.	An. Chemistry.	
SOPHOMORE.	Anal, Geometry		El. Chemistry. French, C.	***************************************	Latin. Biology.	
Freshmen	Latin.	French. D.	Trigonometry.		Algebra.	
FIFTH DAY.						
SENIOR	Christian Doc	9.30-10.30. Political Econ.	11. Meeting.	2-3. French B. Shop Work.	3-4. Butler. Shop Work.	
JUNIOR	Latin. Mechanics.	Astronomy.	Meeting.	French. B. Shop Work.	Logic. Shop Work.	
SOPHOMORE.	History. Sc.	El. Chemistry.	Meeting.	History. Cl. Biology.	Greek. Biology.	
FRESHMEN	Algebra.	Greek. French. D.	Meeting.	German. D.	Latin.	
		SIXT	H DAY.			
SENIOR	9-10. Christian Doc. French. A. Shop Work,	10-11. Biology. Shop Work,	11-12. Biology Mechanics.	2-3. French. B.	3-4. Butler.	
JUNIOR		Greek.	German. C. Mechanics.	French. B.	Calculus.	
SOPHOMORE.		Org. Chem Org. Chem.	Latin German, C.		El. Chemistry. Mech. Drawing.	
Freshmen.	History.			German. D.	Anatomy,	
			TH DAY.			
SENIOR	8,30-9,30. English.	9.30-10.30.				
JUNIOR	Astronomy.	History.				
SOPHOMORE.		Anal, Geom.				
Preshmen.	Latin. German. D.	Greek. Trigonometry.				

# SUMMARY OF THE ACCOUNT OF THE TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE,

From Eighth mo. 3ist, 1886, to Eighth mo. 3ist, 1887.
RECEIPTS.

				ECEIPIE				
Balance on	hand, Eigh	1th mo. 31	st, 1886, ir	the hand	ls of the	Treasure	r, <b>\$</b> 69 '	
	• "	•	••		••	Dean, .	. 49	
Income from	m Invoctme	nte Con	and on Fr	dowmont	Fund		e: wo	<b>\$</b> 119 72
income iroi	m investme		THE OF THE	ne Fund	runa,	• • • • •	\$5,360 : 231	70 19
44	16	—Edw	ard Yarn	all Fund.			. 236	99
**	44	—Libr	ary Fund		: : : :		527	54
u	**	-1. V	William	on Fund,			. 958	08
				Memoria	runu,		. 1,170	53
"	"	—Spec	ial Fund	und,			. 49	00
"	"	- Dav	id Scull F	und,	· · · ·	• • • • •	. 243 : 220 :	
••	••	-Kici	iara 1. Je	nes Fund	,	• • • •	. 220	9,013 56
Rents,								0.959.00
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Board and	Tuition, cas	sh		<b>.</b> .			. \$35 824	62
66	" sch	nolarships	,				. 5,545	
								- 41,370 12
Board of Pr	rolessors, .						<b></b>	. 1,237 74 . 1,721 98 . 788 57
Stationery,								1,721 95
Laundry,	and appare					· · · · ·		444 43
Laboratory Incidentals Sundry Rec	appara							. 396 88
Sundry Rec	cip's for pr	evious ve	urs' accou	ints				669 11
Bryn Mawr Former Tre	College for	services o	of Profess	or				250 00
Former Tre	usurer of L	awn Func	l	44.1.4				. 122 10
Former Tre Legacy, from praised at Donations t	m the Trust	ce under	ne will o	David So	ull, dec	eased; se	curities a	p-
praised at	, \$25,977, &n	a asn ioi					en ses	4,223 00
DOUNTIONS	o me soun	erial nurr	neas			· • • •	, დაკოთ ( 3.075 (	no.
•	or other ap	cciai pai p	0663,	• • • • •		· · · · ·	0,010	6,640 00
Money born	rowed,					<b>.</b>		1,700 00
Money borr Investment	s paid off or	r sold—Ge	neral Fu	ıd,			\$6,907	50
**	- 74 - 44	Sp	ecial Fun	d	· · · ·		1.017	50
• • • • • • • • • • • • • • • • • • • •	** **	— <u>I</u> .	V. Willia	mson Fun	d		2,057	30
••		Di	ivia scull	runa, .		· · · ·	20,724	05 707 10
								- 35,707 12
								\$107,672 56
			_		_			
				AYMENT				
Salaries, of	which \$1,17	5.53 was p	aid for th	e income	of the J	ohn Farn	um Mem	o-
rial Fund	l,		aid for th	e income	of the J			0- \$23,781 64
rial Fund	l,		aid for th	e income	of the J			0- \$23,781 64
rial Fund	l,		aid for th	e income	of the J			0- \$23,781 64
rial Fund	l,		aid for th	e income	of the J			0- \$23,781 64
rial Fund	l,		aid for th	e income	of the J			0- \$23,781 64
rial Fund	l,		aid for th	e income	of the J			0- \$23,781 64
rial Fund Provisions, Wages, Family exp Fuel and light Lawn furm Laboratory Laundry	enses and f ghts , and garde and appara	furniture,	aid for th	e income	of the J			0- \$23,781 64 11,717 09 4,065 86 1,434 02 2,484 44 1,514 84 1,412 00 570 45
rial Fund Provisions, Wages, Family exp Fuel and II) Lawn farm Laboratory Laundry.	enses and f ghts , and garde and appara	furniture,	aid for th	e income	of the J			0- \$23,781 64 11,717 09 4,065 86 1,434 (2 2,484 44 1,544 84 1,412 (0 570 45 87
rial Fund Provisions, Wages, Family exp Fuel and II) Lawn farm Laboratory Laundry.	enses and f ghts , and garde and appara	furniture,	aid for th	e income	of the J			0- \$23,781 64 11,717 09 4,065 86 1,434 (2 2,484 44 1,544 84 1,412 (0 570 45 87
rial Fund Provisions, Wages, Family exp Fuel and II) Lawn farm Laboratory Laundry.	enses and f ghts , and garde and appara	furniture,	aid for th	e income	of the J			0- \$23,781 64 11,717 09 4,065 86 1,434 (2 2,484 44 1,544 84 1,412 (0 570 45 87
rial Fund Provisions, Wages, Family exp Fuel and l) Lawn farm Laboratory Laundry. Stationery, Printing an Incidentals Taxes.	enses and f ghts , and garde and appara	furniture, en	ald for th	e income	of the J			0- \$23,781 64 11,717 09 4,065 86 1,434 92 2,484 44 1,412 90 570 45 1,462 87 364 92 1,001 93 1,337 95
rial Fund Provisions, Wages, Family exp Fuel and l) Lawn farm Laboratory Laundry. Stationery, Printing an Incidentals Taxes.	enses and f ghts , and garde and appara	furniture, en	ald for th	e income	of the J			0- \$23,781 64 11,717 09 4,065 86 1,434 92 2,484 44 1,412 90 570 45 1,462 87 364 92 1,001 93 1,337 95
rial Fund Provisions, Wages, Family exp Fuel and l) Lawn farm Laboratory Laundry. Stationery, Printing an Incidentals Taxes.	enses and f ghts , and garde and appara	furniture, en	ald for th	e income	of the J			0- \$23,781 64 11,717 09 4,065 86 1,434 92 2,484 44 1,412 90 570 45 1,462 87 364 92 1,001 93 1,337 95
rial Fund Provisions, Wages, Family exp Fuel and Il Lawn farm Laboratory Laundry. Stationery, Printing an Incidentals Taxes, Interest, Repairs an Paid the Tr	enses and f ghts a, and garde and appars ad advertisi d improven easurer of t	furniture, en atus, ng nents. the Librar	ald for th	e Income	of the J			0- \$23,781 64 11,717 09 4,065 86 1,434 44 1,544 84 1,412 10 570 45 1,462 87 364 02 1,001 93 1,337 95 169 31 3,250 44 527 54
rial Fund Provisions, Wages, Family exp Fuel and Il, Lawn farm Laboratory Laundry. Stationery, Printing an Incidentals Taxes, Interest, Repairs an Paid the Tr Colletery i	enses and f ghts and garde and appare d advertisi d improven easurer of t	ng	aid for th	e Income	of the J			0- \$23,781 64 11,717 99 4,065 86 1,434 92 2,484 44 1,412 10 570 84 1,462 87 364 02 1,001 93 1,337 95 169 31 3,250 44 527 54
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#### REPORT OF TREASURER

OF

#### HAVERFORD COLLEGE LIBRARY COMMITTEE

FOR YEAR ENDING 10th MONTH 10th, 1887.

				]	RECI	EIPT	S.				
Balance 10th	mo. 11	th, 1	886,							\$283.18	
Treasurer of	Corpor	ration	١, .							527.54	
Interest on Deposits,		•	•	•	•	•	•	1.69	\$812.41		
				P	AYM	IEN'	rs.				
Books, .										\$527.37	
Periodicals,										117.43	
Binding, .										65.02	
Incidentals,										13.22	
Balance, 10th	mo. 7	th, 18	887,	•	•	•	•	•	•	89.37	\$812.41

### LIST OF GIFTS TO THE COLLEGE LIBRARY

FOR YEAR ENDING 9th MONTH 1st, 1887.

Howard Comfort, 37 volumes; Prof. J. Rendel Harris, 22 vols.; Prof. A. C. Thomas, 18 vols.; J. B. Everhart, M. C., 12 vols.; H. D. Biddle, 11 vols.; W. S. Auchincloss, 3 vols.; Mary T. Jones, Mexican Nat. Observatory, Prof. H. Hartshorne, R. P. Hallowell, E. P. Allinson, Norwegian Degree Commission, 2 vols. each; K. Backhouse, Prof. T. Chase, Negreti & Zambra, G. D. Scull, N. J. State Librarian, Edinburgh Observatory, W. N. & M. C. Whitney, Prof. A. R. Leeds, U. S. War Dept., Greenwich Observatory, S. J. Randall, M. C., J. C. Heywood, E. E. Higbee, D. C. Heath & Co., Isaac F. Wood, Egyptian Exploration Fund. U. S. Coast and Geodetic Survey, J. Simpson Africa, Peabody Institute, Clark & Maynard, R. P. Smith, G. H. Cook, R. M. Atwater, Baron d'Engelhard, Bureau of Education, C. C. Cresson, W. H. S. Wood, Harvard University, C. W. Pritchett, P. C. Garrett, Charles Roberts, Yale University, Chilian Meteorological Commission, Chicago Astronomical Society, C. D. Wright, Maverick Nat. Bank, 1 vol. each. Also many pamphlets.

# STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth-day in the Third, Sixth, Ninth, and Twelfth months.

### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

#### FORM OF LEGACY.

Ig	give and bequeath (if personal)—devise (if real) to "The Corpora-
tion	of Haverford College," the Sum of
	(or if real estate,
descr	ibe it) to have
and t	to hold, to them, their successors and assigns, to the use of the said
" The	Corporation of Haverford College," their successors and assigns.

#### CIRCULAR.

#### HAVERFORD COLLEGE

is situated on the Pennsylvania Railroad, nine miles from Philadel-phia.

#### COURSES OF STUDY.

There are three regular courses given, of four years each.

I. Course in Arts and Science, leading to the degree of Bachelor of Arts.

In this course Latin is required three years, and Greek and Mathematics two. French and German, Literature, History, Philosophy, Logic, Rhetoric, and the Sciences are embraced in the course. Partial election in all the courses during the last two years admits of some concentration of efforts on one or more branches.

II. COURSE IN GENERAL SCIENCE AND LITERATURE, leading to the degree of Bachelor of Science.

Mathematics is required through three years, Latin through one year. Greek is not required at all, but the opportunity is offered of studying it. Particular attention is given to Modern Languages and to the Sciences. Courses I and II are both designed to give broad and general culture.

III. COURSE IN PRACTICAL SCIENCE AND ENGINEERING, leading to the degree of Bachelor of Engineering.

Neither Latin nor Greek is required. The time thus gained is occupied by Mathematics, the Modern Languages, a certain amount of general culture, and work with Engineering instruments in the field, in machine shop, and in the draughting rooms.

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# REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

#### Course I.

GREEK.—Grammar, three Books of the Anabasis, two Books of Homer, prose Composition.

LATIN.—Grammar, three Books of Cæsar, four Books of Vergil's Æneid, six hundred lines of Ovid, five Orations of Cicero, prose Composition.

MATHEMATICS.—Arithmetic, Algebra to Quadratic Equations of Two Unknown Quantities, three Books of Geometry.

English.—Grammar and Composition; Physical Geography; Greek, Roman, and United States History.

German and French as given under Course III will be accepted in place of Greek.

#### Course II.

LATIN.—As in Course I.

MATHEMATICS.—As in Course I, with the addition of the Theory and use of Logarithms.

English.—As in Course I.

SCIENCE.—The Elements of Physics and of Human Physiology.

German and French as given under Course III will be accepted in place of Latin.

#### Course III.

MATHEMATICS.—As in Course II.

English.—As in Course I.

Science.—As in Course II.

GERMAN.—Grammar and Whitney's Reader, Boisen's German Prose, Schiller's "Wilhelm Tell," Goethe's "Iphigenie auf Tauris."

FRENCH.—Chardenal's First and Second French Courses.

Latin as in Course I will be accepted in Course III in place of German and French.

The object of the above requisites, in the different Courses, is to test the ability of the candidate to pursue the studies of the Freshman Class. Equivalents may be substituted for the books mentioned. Any candidate whose examination indicates ability to advance with his class, will be allowed to make up deficiencies by extra work after admission.

#### EXAMINATIONS FOR ADMISSION.

Examinations for admission will be held at the College on Sixth month 25th, 1888, at 9.30 A. M., and on Ninth month 18th, 1888, at 9.30 A. M. Applicants are advised to present themselves at the first date for examination, on at least part of the requirements.

The certificates of teachers of certain recognized schools will be accepted in place of examination, so far as they cover our requirements. Blank forms for such teachers to fill up will be forwarded on application.

#### EXPENSES.

The College charges five hundred dollars a year for board and fuition. In addition, the average annual cost of washing is about eighteen dollars a year; of books and stationery, about twenty-five dollars; of incidentals, ten dollars or less. These items are charged on the term bills, if desired.

Day students are charged one hundred and fifty dollars a year for tuition, and two hundred and fifty dollars for tuition and dinner. In case a day student has the full room accommodations of a boarder, he is charged full price, namely, five hundred dollars.

Rooms are assigned in Barclay Hall, in the case of new students, in the order of application. A student can have a single room, or, in conjunction with another, can occupy a suite, consisting of a study and two adjoining bedrooms.

For entry blanks, catalogues, and information, address

ISAAC SHARPLESS, President,

Haverford College P. O.,

Pennsylvania.

### SPECIAL ADVANTAGES.

Haverford differs from most colleges in the fact that the small number of students to which it is limited enables a large amount of individual care to be given. This care tells not only in the mental, but also in the physical and moral, well-being of the students.

Physical development is promoted by the wholesome conditions of living in a country locality of acknowledged healthfulness; by the large and beautiful lawn of sixty acres, lying within a farm of about

two hundred and fifteen acres, embracing grounds for cricket, football, baseball, and tennis, and a pond for skating; and by a careful personal examination of each student by a trained physician, who directs the gymnasium exercises. These exercises are required of members of the Freshman and Sophomore Classes. It is our experience that, almost universally, the students improve in health during their college course.

The facilities for instruction embrace a Library of sixteen thousand volumes, to which the students have free access for several hours daily; an Astronomical Observatory, equipped with large instruments of various kinds, which are used for practical instruction; a Chemical Laboratory, with thirty-eight separate working tables and full apparatus for analytical work; a Machine Shop, with engine, lathes, and various tools; together with apparatus for physical experiments, and for surveying and engineering work.

The Professors have been employed with reference, not only to their scholarship, but also to their ability to teach and their general wholesome influence.

The moral standard is maintained by care in the admission of students, and by the separation from the College of such as are believed to be immoral; and by the efforts of officers who acknowledge their responsibilities in this direction, and are willing to exert such influence and take such measures as may be necessary to secure a good moral tone.



# HAVERFORD COLLEGE

1888

# REPORT



OF

# HAVERFORD COLLEGE

TENTH MONTH 9TH 1888

PHILADELPHIA: A PRINTED FOR THE COLLEGE.

1888. ...

# CORPORATION.

# PRESIDENT. WISTAR MORRIS,

No. 209 South Third Street, Philadelphia.

#### SECRETARY, ELLISTON P. MORRIS,

No. 21 North Seventh Street, Philadelphia.

# TREASURER, ASA S. WING,

No. 409 Chestnut Street, Philadelphia.

#### MANAGERS,

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T. WISTAR BROWN,
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PHILIP C. GARRETT,
RICHARD CADBURY,
DAVID SCULL,
RICHARD WOOD,
ROBERT B. HAINES,
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WILLIAM R. THURSTON,
CHARLES HARTSHORNE,
JOHN B. GARRETT,

EDWARD BETTLE, Jr.,
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BENJAMIN H. SHOEMA KER
HOWARD COMFORT,
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ELLISTON P. MORRIS,
FRANCIS STOKES,
JAMES WOOD,
ABRAM F. HUSTON,
J. PRESTON THOMAS,

WILLIAM H. HAINES.

SECRETARY OF THE BOARD.
HOWARD COMFORT,

No. 529 Arch Street, Philadelphia.

# STANDING COMMITTEES OF THE BOARD OF MANAGERS.

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DAVID SCULL,
EDWARD BETTLE, Jr.,
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FRANCIS STOKES, ABRAM F. HUSTON,

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### FACULTY.\*

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LYMAN BEECHER HALL, Ph. D.,
John Farnum Professor of Chemistry.

SETH K. GIFFORD, A. M., PROFESSOR OF GREEK.

† JAMES RENDEL HARRIS, A. M.,
PROFESSOR OF BIBLE LANGUAGES AND ECCLESIASTICAL HISTORY.

MYRON R. SANFORD, A. M., REGISTRAR, AND PROFESSOR OF LATIN.

LEVI T. EDWARDS, A. B.,
PROFESSOR OF MECHANICAL ENGINEERING.

J. PLAYFAIR McMURRICH, Ph. D., DAVID SCULL PROFESSOR OF BIOLOGY.

\*Arranged primarily as Professors, Lecturers, Instructors, etc., secondarily in the order of appointment.

† Absent for the year in Syria.

WILLIAM C. LADD, A.M., PROFESSOR OF FRENCH.

FRANCIS B. GUMMERE, Ph. D.,
PROFESSOR OF ENGLISH AND GERMAN.

WALTER A. FORD, M. D.,

INSTRUCTOR IN PHYSICAL TRAINING AND DIRECTOR OF THE GYMNASIUM.

ROBERT\_W. ROGERS, A. B.,
INSTRUCTOR IN HEBREW.

FRANCIS P. LEAVENWORTH, A. M., DIRECTOR OF THE OBSERVATORY.

FRANK MORLEY, A. M.,
INSTRUCTOR IN MATHEMATICS.

HENRY CREW, Ph. D., Instructor in Physics.

JONATHAN J. COMFORT, M. D., SECRETARY OF THE COLLEGE.

ALBERT J. EDMUNDS,
ASSISTANT IN THE LIBRARY

#### VISITING COMMITTEES

OF THE

## BOARD OF MANAGERS.

#### FROM NINTH MONTH TO TWELFTH MONTH VACATION.

HOWARD COMFORT, WISTAR MORRIS, T. WISTAR BROWN, JAMES WHITALL. RICHARD WOOD, ROBERT B. HAINES, PHILIP C. GARRETT, JUSTUS C. STRAWBRIDGE,

ASA. S. WING.

#### FROM TWELFTH MONTH VACATION TO FOURTH MONTH FIRST.

FRANCIS STOKES,
ELLISTON P. MORRIS,
JAMES CAREY THOMAS,
FRANCIS T. KING.

WILLIAM R. THURSTON,
DAVID SCULL,
AS, CHARLES HARTSHORNE,
JOHN B. GARRETT,
WILLIAM H. HAINES.

#### FROM FOURTH MONTH FIRST TO COMMENCEMENT.

CHARLES ROBERTS, EDWARD BETTLE, Jr., RICHARD CADBURY, FRANCIS WHITE, WILLIAM S. TAYLOR,
BENJAMIN H. SHOEMAKER,
JAMES WOOD,
ABRAM F. HUSTON,

J. PRESTON THOMAS.

#### REPORT OF THE BOARD OF MANAGERS

то

# THE CORPORATION OF HAVERFORD COLLEGE. 1888.

It is gratifying to the Managers to be able to report that in the past year the work of the College has been successfully carried on; our officers have been faithful in the discharge of their duties, while on the part of the students good conduct has accompanied a disposition to earnest study.

At the summer Commencement a Senior Class of sixteen members was graduated, and the degree of Master of Arts was given, upon examination, to Thomas J. Battey, of the class of 1863. The honorary degree of Doctor of Laws (LL. D.) was Honorary conferred upon Clement L. Smith, A. M., class of 1860, Dean of Harvard College, in recognition of his attainments in general scholarship, his success as a teacher, and the ability with which he has administered the duties of his office at Harvard.

During the present term twenty-six new students Attend-have entered the College, making a total enrollment of eighty-nine, classified as follows: three Graduate Students, twenty-four Seniors, twenty-eight Juniors, fifteen Sophomores, and nineteen Freshmen.

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Professor J. Rendel Harris has been granted leave of absence for a year for purposes of study and research in the East. Professors Gummere and Ladd, who were appointed last year to take charge of the departments of English and French respectively, have returned from Europe, where they have been pursuing special study, and have entered upon their duties.

Changes in the Faculty.

The increasing importance of the branches of Science, included under the term Physics, has been recognized by the appointment of Henry Crew (A. M. and Ph. D.), recently assistant in the Physical Laboratory of Johns Hopkins University, as Instructor in Physics.

It is a satisfaction to the Managers that these additions to our Faculty are all members of the Society of Friends, and are men who, by their training and experience, give promise of materially strengthening the College.

Dwellings.

The increase in the number of the Faculty has caused a demand for more dwellings to accommodate the families of our Professors. As the Board decided not to place more houses on the College lawn, this demand has been met by purchase from the "Warner Syndicate" of a lot, on which has been placed a neat, double dwelling, fronting on the lane leading to Lancaster Avenue. It is expected that the money invested in this building will return a satisfactory annual interest.

The Warner Tract.

The Friends who own the Warner Tract have built two stone dwellings on that land since last report. By the original agreement, when right of way was given over the College Lane, it was provided that the Corporation could take the ownership of the property at any time by assuming the obligations then existing.

The attendance of pupils at the Grammar Th

On the 1st of Fourth month last, the College The Farm. assumed the management of the farm, which had been rented for many years. This change required an outlay for stock and implements, but better results are anticipated, especially in securing a more satisfactory supply of milk and in control of the drainage, than have recently been obtained under the former plan.

The Managers have considered the propriety of standard raising the standard for admission. The proposi-sions. tion was finally approved, and information has been given of the change to take effect at the opening of the next College year.

The most conspicuous improvement of the year is Chase Hall, a two-story stone building for class-Chase Hall rooms, erected fifty-five yards from the west end of Founders' Hall. It has been furnished with approved seats, and the inside finish is in hard wood; each room has an open fire-place, and windows on three sides; thus the best effects of light and ven-

Improve-

tilation are secured. The expense, including heating, furnishing, and grading, amounting to about \$9,400, has been met by special contributions. An appropriation from the same fund was made to adapt parts of Founders' Hall for laboratory purposes and improving the equipment of the biological and physical departments. A steam connection has been made between the Machine Shop and Alumni Hall to provide for heating the Library building with exhaust steam from the engine in the shop. An engine, boiler, and fan have been placed in the basement of Barclay Hall to heat and ventilate the whole building by forced cur-Students of the Engineering courses have spent five hours a week, under the direction of Professor Edwards, on work in the Machine Shop. They designed, made the working drawings, and constructed a ten-horse power engine, also a dynamo, several lathes, and other small machines. expected to utilize this department for the manufacture of physical apparatus. A plain and inexpensive addition to the shop is much needed.

Gymnasium. The required exercises in the Gymnasium continue to result in marked improvement in the health and strength of the students. Good morals and successful study in a college are certainly promoted by careful attention to physical exercise. Under this conviction, a part of the old orchard has been granted to the students, which they are now preparing, under the oversight of President Sharpless, for use as athletic grounds.

Athletic Grounds.

During the year 985 volumes were added to the

College Library proper, of which 479 were bought, The Library. 381 given, 28 periodicals bound up, and 97 purchased from the income of the Edward L. Scull Fund. Since last report the three Literary Societies of the College have presented their respective libraries to the Corporation. The College Library has received, exclusive of duplicates, from the Loganian Society, 2,470 volumes; from the Athenæum Society, 906 volumes; from the Everett Society, 1,308 volumes, making a total of 4,684 These have been incorporated with the College Library, suitable book-plates, showing the source and date of acquisition, having been inserted in each book. In registering these acceptable gifts and comparing the list belonging to the Societies, a few volumes were found to be missing and others were omitted from the register. These, added to duplicates removed from our own shelves, make a total of 255 volumes withdrawn, thus making the net increase 730 volumes, and the total number on the shelves 17.451 volumes. While the consolidation of the Libraries is of great advantage, the fact that the Societies have ceased to purchase books or subscribe to periodicals will cause a diminution in the annual supply. As the additions from this source have been mainly works of general literature, the loss will be felt less than it would otherwise be. At the same time, it is important that the departments of contemporary poetry, literary criticism. and biography should not be wholly neglected. Through an appropriation from the Edward L. Scull Fund, 97 volumes were added to the Library. greatly increasing the efficiency of several departments. An additional sum was raised by private subscription; without these additions to the regular income, the usefulness of the Library would have been greatly lessened. The demands upon a college library increase year by year rather than diminish, and it is essential to good work that new works by authorities, and standard books of reference, should be within easy reach of students and instructors.

Gifts received. In addition to the numerous gifts of books acknowledged in a list appended to this Report, the Corporation has received from Rachel S. J. Randolph a useful collection, which includes three small steam-engines, maps, models, stuffed birds, and instruments.

The College is indebted to Dr. F. A. Genth, of Philadelphia, for a valuable donation of three thousand specimens of minerals together with the drawers and cases containing them. These evidences of the continued interest of our friends are greatly appreciated.

Financial

The report of the finances for the year is not altogether satisfactory. The operations of the College for 1887-88 have created a deficit of \$6,494.13. This debt, caused by current expenses, is a matter for serious consideration, and should claim the attention of those interested in the College welfare.

The cost to date of the new double dwelling, including lot in College Lane, already mentioned, is \$13,696.40, leaving between \$3,000 and \$4,000 yet to pay. The cost of stocking the farm has been \$3,600. It is hoped that the income to be de-

rived from the houses erected and from the farm will pay interest on the money borrowed for these purposes.

The deficiency between the receipts and pay-Cause of Deficiency. ments for the fiscal year 1887–88 has been largely caused by the increase in our salary-list for Professors, and can be provided for by the further endowment of Professorships, and by the establishment of full or partial scholarships. We commend both of these subjects to the friends of the College.

The Managers, and those intimately associated conclusion. with Haverford, are frequently called upon to furnish means for pressing demands, and during the past year more than fifteen thousand dollars (\$15,000) has been given in this way. The past history, the present condition, and future prospects of Haverford College all claim that the means shall be furnished to make and keep it a place of sound learning, with an equipment equal to the demands of the times, and still maintain the distinctive feature and promise suggested by the inscription upon its corporate seal.

By direction of the Board,

WISTAR MORRIS,

President.

HOWARD COMFORT, Secretary. Philadelphia, Tenth mo. 8th, 1888.

## PRESIDENT'S REPORT.

#### To the Board of Managers:

A corps of teachers, talented, efficient, and harmonious, exerting a stimulating influence on the students by its energy, knowledge, and progressive spirit, has been the great acquisition of Haverford of recent years. This corps has been secured at no small expense of money and effort. Its work has already, and will still more in the immediate future, produce results worth the cost.

The three new Professors who begin their work with the present year, represent three newly organized departments. The study of our own language, its history and its use, has never before been in charge of a specialist. Whether the subject be viewed from a disciplinary or a practical standpoint, it presents strong claims to prominence in a College curriculum. During the first year there will be a course in Rhetoric, and frequent themes will be required, which will be criticized by the Professor. In the three succeeding years the themes will be continued together with studies in literature and the growth of the language.

The work in French will be systematized and extended. The least that will be expected of every graduate will be that he shall read ordinary French fluently at sight. Opportunity will also be offered for an extensive study of French literature.

Physics has never had special treatment, but has been

an annex to the department of Chemistry. The newly fitted rooms, to which the students have access for laboratory work, and an Instructor whose whole time will be given to the subject, will afford good facilities for scientific acquisitions in this line. The great prominence of electricity in the practical world requires that it should receive special instruction in College, and a limited number of students are doing effective preliminary work in this branch. An increase of our equipment in Physics would be very desirable, and will in a year or two be indispensable.

Our Professors in all these departments, as well as in others, are much hampered for want of a sufficient number of reference books. The methods of instruction which are best calculated to develop interest and efficiency in the work of the students require the use of the library to a much greater extent than formerly. The students are referred to books where special subjects are expanded, and the treatment of the same subject by different authors is studied. This system renders it desirable that the greater part of the sum now used for the purchase of books should be expended under the direction of the Professors, each one advising as to his own department. Five times the amount now available could be spent to the very great advantage of the College.

Chase Hall, built for recitation-rooms by the liberality of our friends, is completed and in use, filling a pressing need. The Professors of Greek, Latin, History, and English meet their classes there. This not only gives them superior accommodations, but relieves the pressure on the space in Founders' Hall, and furnishes all the Professors with good facilities for work.

The increase in the number of teachers and of class-

rooms, enables us to allow greater specialization in the work of the Junior and Senior years. The two upper classes are allowed to elect studies from the same list so far as they are competent to do the work. Two courses are given in most subjects, both of which can be taken for two years. After the required work of the first two years, students are assisted to form a harmonious course in special subjects during the last two. They thus become interested in one or more allied branches, and work with zeal in the line most favorable to their best development. This, it seems to me, is in harmony with a fundamental idea of Haverford to give to each individual the special training which is best for him.

Another effect of the enlargement of the Faculty is to bring upon us a demand for Graduate instruction. A graduate feels he has not exhausted the resources of his teachers. Three of our last class of sixteen made application for an additional year of tuition. One of these is now taking advanced work in Astronomy, one in Mathematics, and one in Chemistry. Our work is mainly with under-graduates, and should continue so; but in certain subjects in which we may possess abundant scholarship and equipment, a few graduate students could be received to the advantage of themselves and the College.

A bond of union might be created among Friends' Colleges by the establishment of Fellowships at Haverford, open on competitive examination, to graduates of any of our Colleges. This course was definitely approved by "The Educational Association of Friends in America," at its meeting at Haverford in Seventh month last. It would bring young Friends into intimate association, not only with our officers, but with each other, and the broader views induced by their intellectual development could not

fail to advance the interests of harmony and liberality in our Society.

It is true that the average cost of an education at Haverford is not greater than at most other eastern Colleges, and the temptations to spend money are much The College provides all the necessaries of life at a cost fixed for all. There are many advantages of this arrangement, but it does not permit a student of limited means to economize. Haverford every year loses many desirable students because they cannot pay the \$500 demanded of them. College education cannot be made cheap. The cost to the College of teaching each student (taking into account salaries alone) is over \$300. remaining \$200 of our charge does not pay the other necessary expenses. So that without greater means than we possess, it is impossible to reduce the charges for board and tuition. The cost of teaching would not be materially increased if we had a College of one hundred and fifty students, but it is doubtful, with the present competition of established institutions, whether we can immediately find one hundred and fifty students able and willing to pay the \$500 and other necessary expenses which Haverford de-It is a problem worthy of consideration whether arrangements should be made enabling such students as desired it to board more cheaply than in the College.

If this course be not adopted, the only remedy is a more extended system of scholarships. I feel confident that no means of assisting Haverford at the present time would be more productive of good results than the income of a fund of \$100,000 devoted to scholarships. These scholarships, which might most of them be partial, could be given to the children of parents of moderate means, whose home influences had been such as to make them desirable

students, and whose abilities and intellectual habits were tested by frequent examinations. The presence of such students would be a stimulus to the Professors, a valuable source of good influence, and an attraction to other students who could pay the full charges.

The problem then is this: For effective work we must maintain a professorial force for one hundred and fifty students. We may not procure this number in the immediate future with our present arrangements, and hence are not utilizing our resources to the best advantage. Shall we take the necessary steps to place Haverford where it will accomplish the work for which it is maintained?

In addition to class lectures, the following were delivered to the whole College and invited guests:

William Jones, of England. "PEACE."

John Stuart, of England.
"Home Rule."

Thomas Wentworth Higginson, of Cambridge, Mass.
"How to READ HISTORY."

William Righter Fisher, of Bryn Mawr.
"A Summer in Alaska."

William Blaikie, of New York.
"Our Bodies-How to Develop Them."

Prof. Robert W. Rogers, of Haverford College.
"THE HISTORY OF ASSYRIAN DISCOVERY AND DECIPHERMENT."

Prof. Robert W. Rogers, of Haverford College.
"THE RESULTS OF ASSYRIAN INVESTIGATION CHIEFLY AS
AFFECTING THE OLD TESTAMENT."

Dr. Joseph Thomas, of Philadelphia.
"What to Read and How to Read it."

Prof. J. Playfair McMurrich, of Haverford College.
"The Discovery of the West Indies."

Prof. J. Playfair McMurrich, of Haverford College.
"The History of the Bahamas."

Prof. J. W. Churchill, of Andover, Mass.

"The Interpreting Power of Delivery; with
Illustrative Readings."

John Stuart, of England.
"INDLA."

Prof. Edward W. Hartwell, of Johns Hopkins University.

"Physical Training; its Nature and Place."

Dr. Henry Hartshorne, of Germantown.
"THE HYGIENE OF DIET."

Thomas Learning, of Philadelphia.
"POLITICAL DUTIES OF YOUNG MEN."

The news of the death of Henry Carvill Lewis was received with great regret. We had learned the worth of the man and the attainments of the scientist by his previous connection with the College—a connection we valued greatly, and expected to have renewed when his preparatory work abroad was completed. It will be difficult to find one as able and honest and energetic to take the place.

The discipline of a College is in a healthly state when its students perform their duties with regularity and without friction. As measured by this standard, we have had recently but little to complain of. A recognition of responsibility by the students themselves has brought about the result, and may be depended on to maintain it in the long run. Interest in athletic games is a great aid. The wholesome spirit induced by ardent competition on the ball grounds, is not compatible with small tricks and old-fashioned disturbances.

College morals is a much more important subject. Haverford has a reputation in this respect which is worth strenuous efforts to maintain. The means which can be relied on are the instructed consciences of students, the influence of homes, and the personal association with the officers. Haverford is a safe place to send a young man of ordinary strength of character. For this measure of success we cannot be too thankful to our Heavenly Father.

ISAAC SHARPLESS.

HAVERFORD COLLEGE, Tenth mo. 5th, 1888.

#### ORDER OF THE

## Public Exercises of the Junior Class.

#### FIFTH DAY, FOURTH MONTH 12TH, 1888.

"Tares,"

S. PRIOLEAU RAVENEL, JB., Charleston, S. C.

"Some Phases of Socialism,"

WARREN C. GOODWIN, Greenwich, N. J.

"The Duty of the American Voter,"

VICTOR M. HAUGHTON, Bryn Mawr, Pa.

"The Anglo-Saxon Race as Colonizers,"

LINDLEY M. STEVENS, E. Farnham, Canada.

"Two Sister Principles,"

CHARLES H. BURB, JR., Philadelphia, Pa.

"Our Present Need,"

WILLIAM F. OVERMAN, Goldsboro, N. C.

"The Church and Socialism,"

WARNER H. FITE, Philadelphia, Pa.

## ORDER OF EXERCISES AT COMMENCEMENT.

#### **Sixth Month 26тн, 1888.**

"Latin Salutatory,"

E. M. Cox, McPherson, Cal.

"The Cause of Poverty,"

W. D. LEWIS, Philadelphia, Pa.

"The Most Probable,"

H. S. ENGLAND, Wilmington, Del.

"Practical Education,"

F. W. Morris, Jr., Philadelphia, Pa.

"Agnosticism and Religion,"

F. C. HARTSHORNE, Merion, Pa.

"Valedictory,"

J. W. SHARP, Berwyn, Pa.

#### BACCALAUREATE ADDRESS,

PRESIDENT ISAAC SHARPLESS.

THE FOLLOWING STUDENTS GRADUATED IN THE FIRST DIVISION:

HENRY V. GUMMERE, FRANCIS C. HARTSHORNE, J. ESREY JOHNSON, Jr. THE FOLLOWING

## DEGREES

#### WERE CONFERRED AT THE COMMENCEMENT IN 1888.

#### BACHELOR OF ARTS.

EXUM MORRIS COX. ALLISON WING SLOCUM.

HOWELL STROUD ENGLAND, MARTIN BELL STUBBS.

#### BACHELOR OF SCIENCE.

CHARLES HEATON BATTEY,
MORRIS EVANS LEEDS,
FRANCIS COPE HARTSHORNE,
WILLIAM DRAPER LEWIS,
JOHN COWGILL CORBIT, Jr.,
HENRY VOLKMAR GUMMERE,
JOSEPH TATUM HILLES,
GEORGE BRINTON ROBERTS, JOSEPH WEBSTER SHARP, JR.

#### BACHELOR OF ENGINEERING.

LAWRENCE PETERSON BEIDELMAN, JOSEPH ESREY JOHNSON, JR., FREDERICK WISTER MORRIS, JR.

The degree of MASTER OF ARTS was granted upon examination to THOMAS J. BATTEY, of the Class of 1863.

The degree of DOCTOR OF LAWS was bestowed honoris causa on CLEMENT LAWRENCE SMITH, of the Class of 1860.

#### HAVERFORD COLLEGE.

## PROGRAMME OF RECITATIONS

FOR THE

#### FIRST HALF-YEAR, 1887-88.

		_				
			SECOND DA	IY.		
SENIOR	8,30-9,30.	9,30-10.30. Scripture. Cl	10,30-11.30. Scripture. Sc	11.30-12.30.	Biology. French. B.	3-4. Biology. French. A.
JUNIOR		Scripture. Cl.	. Scripture, Sc. French. C.	. Greek.	Shop Work. French. B. Shop Work.	Shop Work. Latin. Physics. Shop Work.
80РН		Scripture. Cl. Scripture. Sc.		Latin. Trigonom. Sc.	Biology. French. B.	Greek. Biology.
Fresh		Scripture.			Trigonometry	. Geometry.
			THIRD DA	Υ.		
	8.30-9.30.	9.30-10.30.		11.30-12.30.		3-4.
SENIOŖ	Calculus.	Eccl. History.	. German. A.	Politic'l Econ.	, An. Chem'try	. An. Chem'try
	Eng History	. Engineering.	***************************************	***************************************	***************************************	Hist. Philos.
JUNIOR	French, B.	Eccl History	Geology	Politic'l Econ.	An Chem'tre	An Chem'try
		Engineering.	Franch D		******************	Hebrew.
80PH	French. B.	Enkimu.	French. D.	Physics.	Shop Work.	Trigunom. Cl
	German. D.	***************************************	***************************************	***************************************		Shop Work.
FRESH	German, D.	Geometry.	French. D.	Latin.	Shop Work.	Physiology. Shop Work.
			FOURTH DA	Y.		
	8.30-9.30.	9.30-10.30.	10,30-11.30.	11.30-12,30.	2-3.	3-4.
SENIOR	Eccl. History.	. German. A.	Engineering	History	An Chem'try	An. Chem'try
	German. B.	French, C.				Hist. Philos.
JUNIOR	German. B.	. French, C.	Calculus Engineering.	Latin, Physics.	An. Chem'try.	An. Chem'try Hebrew.
CODET	Desc. Geom.	Dhantas				
80PH	German, B. French, D.	Physics.	******	Greek. Trigonom. Sc.	German. D.	Trigonom. Cl. Shop Work.
FRESH	Latin.	Greek.		rigonom. Sc.	German D.	Physiology.
				***************************************	Shop Work.	Shop Work.
			FIFTH DAY			
	8.30-9.30,	9.30-10.30.		11.30-12.30.	2-3.	3-4.
SENIOR	Calculus.	German, B.	10,00 11,00,	11,00 12,001	Shop Work.	Shop Work.
	Eng. History.	Biology.				
JUNIOB	Calculus.	German. B.			Greek.	German. C.
					Biology. Shop Work,	Biology. Shop Work.
80PH	French. D.	Trigonom. Cl.			onop work.	Physics.
		German. B.				1 11/11/11
		Biology.				
fresh		Geometry.				History.
	French. D.					
			SIXTH DAY	•		
	8.30-9.30.	9.30-10,30.	10,30-11.30,	11.30-12.30.	2-3.	3-4.
BENIOR	Eccl. History.	German. B.	Calculus.	Politi'l Econ.	Mech.Draw'g.	Psychology
	French, B.	French. A.	Eng. History.	**********	••• • • • • • • • • • • • • • • • • • •	Mech. Draw'g.
IIINIOP	Prac. Astron. Eccl. History.	Engineering.	German C	Dollsti'l Face	Riology	Greek.
JUNIOR	French, B.	Engineering.	German. C.	Politi'l Econ.	Mach Draw's	Riology.
	A.Juou. D.	Presentating.			B.	Mech. Draw's.
ворн	French. B.	German, B.	Latin.	*** *** *** *** ***		Physics.
	French. B. German. D.	Greek,	Trigonom. Sc.			-
FRESH	German. D.	Latin.	•••••	Geometry.		nistory.
			SEVENTH DA	Υ.		
	8.30-9.30.	9.30-10.30.				
SENIOR	Psychology.	German. A.				
JUNIOR	Calculus. Hebrew.	Geology.				
80PH	English.	Latin.				

## PROGRAMME OF RECITATIONS

FOR THE

#### SECOND HALF-YEAR, 1887-88.

			SECOND DA			
	8.30-9.30.	9.30-10,30.	SECOND DA 10,30-11,30.	11.30-12.30.	2-3.	3-4.
SENIOR	6.30-0.30.		Scripture. Sc.		Biology. French. B.	Biology. Freuch. A.
JUNIOR		Scripture, Cl.	Scripture. Sc. French. C.	Greek.	Shop Work. French. B. Shop Work.	Shop Work. Latin. Chemistry. Shop Work.
SOPH		Scripture. Cl.	•••••	Trigonometry	Biology.	Greek.
FRESH		Scripture. Sc. Scripture.		Greek.	French. B. Trigonometry.	Biology.
7 10 20 11		ocripture.			Trigonometry.	
			THIPD DAY	-	0.0	
SENIOR	8.30-9.30., Calculus.	9.30-10.30. Eccl. History.	10,30-11.30. Social Science.			3–4. An Chemistry.
	En. or Am. H.	Engineering.				Hist. Philos.
JUNIOB	French. B.	Eccl. History	Calculus.	Politics.	An. Chem'try.	An Chemistry.
		Engineering.			-	Hebrew.
SOPH	French. B. German. D.	Eng. or Hist.	French. D.	El.Chemistry.	Shop Work.	Latin. Shop Work.
FRESH	German. D.	Algebra.	Freuch. D.	Latin.	Shop Work.	Physiology. Shop Work.
			FOURTH DA	Y.		
	8.30-9.30.	9,80-10.30.	10.30-11,30,	11.30-12.30.		3-4.
SENIOR	Seci. History. German. B.	German. A.		Eng. Lit.	An Chem'try.	An Chemistry.
JUNIOR	Eccl. History.	French. C.	Calculus.	Latin.	An.Chem'try.	An. Chemmury.
	German, B. Desc. Geom.	•••••	Engineering.	Chemistry.	***************************************	Hebrew.
80PH		El.Chemistry.	******	Greek.	German. D.	Latin.
FRESH	French. D.		***************************************	••••••		Shop Work.
# BESH	French. D.	Greek. Trigonometry				Shop Work.
						·
	8.30-9.30.	9.30-10,30,	FIFTH DAY 10,30-11,30.	11,30–12,30.	2-3.	3-4.
SENIOR	Dynamics.	German. B.	FIFTH DAY		2-3. Shop Work.	3-4. Shop Work,
		German. B.	FIFTH DAY		Shop Work. Greek,	Shop Work. German. C.
	Dynamics. En.or Am. H.	German. B. Biology.	FIFTH DAY		Shop Work. Greek,	Shop Work. German. C.
	Dynamics. En.or Am. H. Astronomy.	German. B. Biology.	FIFTH DAY		Shop Work.  Greek. Biology. Shop Work.	Shop Work.  German. C.  Biology.  Shop Work.
JUNIOR	Dynamics. En.or Am. H. Astronomy.	German. B. Biology. German. B. Latin. German. B.	FIFTH DAY		Shop Work. Greek,	Shop Work. German. C.
JUNIOR	Dynamics. En.or Am. H. Astronomy.  French. D.	German. B. Biology. German. B.	FIFTH DAY		Shop Work.  Greek. Biology. Shop Work.	Shop Work, German. C, Biology. Shop Work. El. Chemistry.
JUNIOR	Dynamics. En.or Am. H. Astronomy.  French. D.  Greek.	German. B. Biology. German. B. Latin. German. B. Biology.	FIFTH DAY 10.30-11,30.	11.30-12.30.	Shop Work. Greek. Biology. Shop Work.	Shop Work, German. C, Biology. Shop Work. El. Chemistry.
JUNIOR	Dynamics. En.or Am. H. Astronomy.  French. D.  Greek. French. D.	German. B. Biology. German. B. Latin. German. B. Biology. Algebra.	FIFTH DAY 10.30-11.30.	11.30-12.30.	Shop Work. Greek. Biology. Shop Work.	Shop Work, German. C, Biology. Shop Work. El. Chemistry.
JUNIOR	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kccl. History.	German. B. Biology. German. B. Biology. Algebra.  9.30-10.30. German. B.	FIFTH DAY 10.30-11.30.  SIXTH DAY 10.30-11.30, ('alculus.	11.30-12.30.  11.30-12.30. German. A.	Shop Work.  Greek. Biology. Shop Work.  2-3. Mech.Draw'g.	Shop Work.  German. C. Biology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology.
JUNIOR SOPH FRESH	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kccl. History. French. B.	German. B. Biology. German. B. Latin. Biology. Algebra.  9.30-10.30. German. B. French. A.	FIFTH DAY 10.30-11.30.  SIXTH DAY 10.30-11.30, ('alculus.	11.30-12.30.  11.30-12.30. German. A.	Shop Work.  Greek. Biology. Shop Work.  2-3. Mech.Draw'g.	Shop Work.  German. C.  Biology.  Shop Work.  El. Chemistry.  Hist or Eng.
JUNIOR SOPH FRESH	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kccl. History. French. B. Prac. Astron. Eccl. History.	German. B. Biology. German. B. Biology. Algebra.  9.30-10.30. German. B. French. A. Engineering.	FIFTH DAY 10.30-11.30. SIXTH DAY 10.30-11.30. Calculus. En. or Am. H.	11.30-12.30. 11.30-12.30. German. A. Politics.	Shop Work. Greek. Biology. Shop Work	Shop Work.  German. C.  Blology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech. Draw'g.  Greek.
JUNIOR SOPH FRESH SENIOR	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kecl. History. French. B. Prac. Astron.	German. B. Biology. German. B. Latin. German. B. Biology. Algebra.  9.30-10.30. German. B. French. A. Engineering.	FIFTH DAY 10.30-11.30. SIXTH DAY 10.30-11.30. Calculus. En. or Am. H.	11.30-12.30. 11.30-12.30. German. A.	Shop Work. Greek, Biology. Shop Work	Shop Work.  German. C. Biology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech.Draw'g.  Greek. Biology.
JUNIOR SOPH FRESH SENIOR	Dynamics. En.or Am. H. Astronomy.  French. D.  Greek. French. D.  8.30-9.30. Kccl. History. French. B. Prac. Astron. Eccl. History. French. B.	German. B. Biology. German. B. Biology. Algebra.  9.30-10.30. German. B. French. A. Engineering. German. B. Engineering.	FIFTH DAY 10.30-11.30. SIXTH DAY 10.30-11.30. Calculus. En. or Am. H.	11.30-12.30.  11.30-12.30. German. A.	Shop Work. Greek. Biology. Shop Work	Shop Work.  German. C.  Blology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech. Draw'g.  Greek.
JUNIOR  SOPH  SENIOR  JUNIOR  SOPH	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kccl. History. French. B. Prac. Astron. Eccl. History.	German. B. Biology. German. B. Biology. Algebra.  9.30-10.30. German. B. French. A. Engineering. German. B. Engineering.	SIXTH DAY 10.30-11.30. SIXTH DAY 10.30-11.30. Calculus. En. or Am. H German. C.	11.30-12.30.  11.30-12.30. German. A.  Politics.  Trigonometry	Shop Work. Greek, Biology. Shop Work.  2-3. Mech.Draw'g. Biology. Mech.Draw'g	Shop Work.  German. C.  Biology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech.Draw'g.  Greek. Biology. Mech.Draw'g.
JUNIOR  SOPH  SENIOR  JUNIOR  SOPH	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kecl. History. French. B. Prac. Astron. Eccl. History. French. B. French. B. German. D.	German, B. Biology, German, B. Biology, Algebra,  9,30-10,30, German, B. French, A. Engineering, German, B. Engineering, German, B. German, B. German, B. Greek,	FIFTH DAY 10.30-11.30.  SIXTH DAY 10.30-11.30, Calculus. En. or Am. H.  German. C.	11.30-12.30.  11.30-12.30. German. A.  Politics.  Trigonometry Latin.	Shop Work. Greek, Biology. Shop Work.  2-3. Mech.Draw'g. Biology. Mech.Draw'g	Shop Work.  German. C.  Biology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech. Draw'g.  Greek. Biology. Mech. Draw'g. El. Chemistry.
JUNIOR  SOPH  SENIOR  JUNIOR  SOPH	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kecl. History. French. B. Prac. Astron. Eccl. History. French. B. French. B. German. D.	German, B. Biology, German, B. Biology, Algebra,  9,30-10,30, German, B. French, A. Engineering, German, B. Engineering, German, B. German, B. German, B. Greek,	SIXTH DAY 10.30-11.30.  SIXTH DAY 10.30-11.30. Calculus. En. or Am. H. German. C.	11.30-12.30.  11.30-12.30. German. A.  Politics.  Trigonometry Latin.	Shop Work. Greek, Biology. Shop Work.  2-3. Mech.Draw'g. Biology. Mech.Draw'g	Shop Work.  German. C.  Biology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech. Draw'g.  Greek. Biology. Mech. Draw'g. El. Chemistry.
JUNIOR  SOPH  SENIOR  JUNIOR  SOPH	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kecl. History. French. B. Prac. Astron. Eccl. History. French. B. French. B. German. D. German. D.	German, B. Biology, German, B. Latin. German, B. Biology, Algebra.  9,30-10,30. German, B. French, A. Engineering, German, B. Engineering. German, B. German, B. German, B. Greek, Algebra.	FIFTH DAY 10.30-11.30.  SIXTH DAY 10.30-11.30, Calculus. En. or Am. H.  German. C.	11.30-12.30.  11.30-12.30. German. A.  Politics.  Trigonometry Latin.	Shop Work. Greek, Biology. Shop Work.  2-3. Mech.Draw'g. Biology. Mech.Draw'g	Shop Work.  German. C.  Biology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech. Draw'g.  Greek. Biology. Mech. Draw'g. El. Chemistry.
JUNIOR  SOPH  SENIOR  JUNIOR  SOPH  FRESH	Dynamics. En.or Am. H. Astronomy.  French. D.  Greek. French. D.  8.30-9.30. Kccl. History. French. B. Prac. Astron. Eccl. History. French. B. German. D. German. D.  8.30-9.30. Psychology. Calculus.	German. B. Biology. German. B. Biology. Algebra.  9.30-10.30. German. B. Ergineering. German. B. Engineering. German. B. Greek. Algebra.	FIFTH DAY 10.30-11.30.  SIXTH DAY 10.30-11.30, Calculus. En. or Am. H.  German. C.	11.30-12.30.  11.30-12.30. German. A.  Politics.  Trigonometry Latin.	Shop Work. Greek, Biology. Shop Work.  2-3. Mech.Draw'g. Biology. Mech.Draw'g	Shop Work.  German. C.  Biology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech. Draw'g.  Greek. Biology. Mech. Draw'g. El. Chemistry.
JUNIOR  SOPH  SENIOR  JUNIOR  SOPH  FRESH	Dynamics. En.or Am. H. Astronomy.  French. D.  Groek. French. D.  8.30-9.30. Kecl. History. French. B. Prac. Astron. Eccl. History. French. B. German. D. German. D.  8.30-9.30. Psychology. Calculus. Hebrew	German. B. Biology. German. B. Biology. Algebra.  9.30-10.30. German. B. French. A. Engineering. German. B. Engineering. German. B. Greek. Algebra.	SIXTH DAY 10.30-11.30.  SIXTH DAY 10.30-11.30. ('alculus. En. or Am. H German. C.	11.30-12.30.  11.30-12.30. German. A.  Politics.  Trigonometry Latin.	Shop Work. Greek, Biology. Shop Work.  2-3. Mech.Draw'g. Biology. Mech.Draw'g	Shop Work.  German. C.  Biology. Shop Work. El. Chemistry.  Hist or Eng.  3-4. Psychology. Mech. Draw'g.  Greek. Biology. Mech. Draw'g. El. Chemistry.

# SUMMARY OF THE ACCOUNT OF THE TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE.

From Eighth mo. 3ist, 1887, to Eighth mo. 8ist, 1888.

	RECEIPTS.	
Balance on hand, E	ighth mo. 31st, 1887, in the hands of the Treasurer, \$480 12	<b>A</b> ron 13
Income from Invest	tments—General or Eudowment Fund, \$5,111 63	\$508 17
111001110111111111111111111111111111111	-Thomas P Cone Fund 223 91	
" "	-Edward Yarnaii Fund, 233 24	
" "	—Library Fund,	
"	—I. V. Williamson Fund, 1,002 01 —John Farnum Memorial Fund, 1,283 31	
** **	-Richard T. Jones Fund 220 50	
" "	—David Scull Fund, 1,590 67	
" "	-Edward L. Scull Legacy, 830 75	10,555 65
Rents,	Principal for Contingent Account,	1 859 (0)
Board and Tuition,	cash,	•
	scholarships,	37,582 50
Board of Professors.		1,514 50
Stationery		1,661 61
Laundry,		582 83 348 00
Incidentals	tory, and apparatus,	648 84
Sundry Receipts for	previous year's accounts,	1.599 09
P 61 111,		1,654 27
Balance belonging to	to Building Fund,	109 32
Donations to the \$50	7,000 P11110,	
" for other	Chase Hall.       8,455 00         special purposes,       5,722 25	
		15,427 25
Money borrowed, Investments paid off	for sold for account of various funds,	21.000 00 9,341 88
	•	<b>\$105,565</b> 79
	PAYMENTS.	
Salaries, of which \$1.	,274.23 was paid from the income of the John Farnum Memo- 250 from the income of the David Scull Fund,	\$25,007 99
Provisions.		12,396 73
Wages,		4,544 54
Family expenses and	d furniture,	728 71
Fuel and lights,		2,828 91
Farm.		1,374 99 1,653 67
Laboratory, observa	tory, and apparatus,	1,495 07
Laundry,		562 38
Stationery,		1,704 53
Incidentals	ising,	444 69 858 01
Taxes		1,231 40
Interest on debt		313 06
Repairs and improve	ements. of the Library Fund,	3,683 88 559 63
" " Trustees of	of the Library Fund,	9 08
Total current	expenses, or acct. of previous years. from income of Edward L. Scull Legacy,	\$58,896 28
Aupropriations paid	r acct. of previous years,	1,241 26 529 46
		10,096 40
"	Chase Hall, arm, o special donations, etc., ed to special donations therefor, 1,550,00	5.872 88
" for stock on fa	arm,	3,600 00
Scholarshing charge	D Special Constions, etc.,	2.733 36
	General Fund	
" "	General Fund, 1,650 00   Thomas P. Cope Fund, 200 00   Edward Yarnall Fund, 200 00	
41 11	Edward Yarnall Fund	
., .,	I. V. Williamson Fund,       900 00         Richard T. Jones Fund,       220 50	
16 48	Edward L. Scull Legacy	
		4,420 50
Principal invested for	or account of various funds,	10,608 77
Releace on hand Ti	ighth ma Sigt 1888 in hands of the Traceurer 271 50	7,900 00
ii ii ii ii		
	" " President 99 96	
	or account of various funds,	166 88

## REPORT OF TREASURER

### HAVERFORD COLLEGE LIBRARY COMMITTEE

#### FOR YEAR ENDING 10th MONTH 8th, 1888.

#### RECEIPTS. Balance 10th mo. 10th, 1887, \$89 37 Treasurer of Corporation, . 540 03 Edward L. Scull Fund, 200 00 Contributions of Managers, 70 00 25 00 Prof. Albert R. Leeds' gift, 2 40 Interest on Deposits, . \$926 80 PAYMENTS. Books, \$606 24 Periodicals, 102 91 73 33 Binding, . 12 79 Incidentals, Balance, 10th mo. 8th, 1888, 131 53 \$926 80

# LIST OF GIFTS TO THE COLLEGE LIBRARY FOR YEAR ENDING 9th MONTH 25th, 1888.

Rachel S. J. Randolph (exclusive of duplicates), 182 vols.; U. S. Government Departments, 63 vols.; Prof. Allen C. Thomas, 27 vols.; Howard Comfort, 14 vols.; Joel Cadbury, 9 vols.; Hon. S. Darlington, 8 vols.; Smithsonian Institution, 7 vols.; Penna. Second Geological Survey, 6 vols.; Prof. J. Rendel Harris, 4 vols.; University of Wisconsin, 4 vols.; Government New South Wales, 3 vols.; Katharine Backhouse, President Sharpless, Hon. Samuel J. Randall, J. J. Comfort, N. Ayer & Son, 2 vols. each; D. Appleton & Co., Allyn & Bacon, W. Holden, F. Dyer, Hon. C. W. Stone, N. Y. Board of Education, A. S. Bolles, C. G. Hussey, J. Buchanan Henry, Elizabeth Thompson, Henry T. Coates, A. S. Wing, C. W. Dawson, Mexican Minister, C. W. Pritchard, Aug. Taber, Diller & Son, Walter Wood, W. O. Newhall, Astronomer Royal, W. S. Taylor, W. Nicholson, L. L. Hobbs, Interstate Commerce Commission, E. E. Higbee, J. McMister, Charles Roberts, L. B. Thomas, N. Y. State Geologist, Haverfordian, Harvard University, 1 vol. each; Anonymous, 19 vols. Total, 387.

## STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth-day in the Third, Sixth, Ninth, and Twelfth months.

#### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

#### FORM OF LEGACY.

I give and bequeath (if personal)—de	evise (if real) to "The Corpora-
tion of Haverford College," the Sum of	
	(or if real estate,
describe it)	to have
and to hold, to them, their successors an	d assigns, to the use of the said
" The Corporation of Haverford College	," their successors and assigns.

#### CIRCULAR.

#### HAVERFORD COLLEGE

is situated on the Pennsylvania Railroad, nine miles from Philadelphia.

#### COURSES OF STUDY.

There are three regular courses given, of four years each.

I. Course in Arts and Science, leading to the degree of Bachelor of Arts.

In this course Latin, Greek, and Mathematics are required through two years. French and German, Literature, History, Philosophy, Logic, Rhetoric, and the Sciences are embraced in the course. Partial election in all the courses during the last two years admits of concentration of efforts on one or more branches.

II. Course in General Science and Literature, leading to the degree of Bachelor of Science.

Mathematics is required through three years, Latin through one year. Greek is not required at all, but the opportunity is offered of studying it. Particular attention is given to Modern Languages and to the Sciences. Courses I and II are both designed to give broad and general culture.

III. Course in Practical Science and Engineering, leading to the degree of Bachelor of Engineering.

Neither Latin nor Greek is required. The time thus gained is occupied by Mathematics, the Modern Languages, a certain amount of general culture, and work with Engineering instruments in machine shop, in the physical and chemical laboratories, and in the draughting rooms.

Note.—French and German are accepted in place of the Greek of Course I, and in place of the Latin of Course II.

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## REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

#### Course I.

GREEK.—Grammar, four Books of the Anabasis, three Books of Homer, prose Composition.

LATIN.—Grammar, four Books of Cæsar, six Books of Vergil's Æneid, six Orations of Cicero, prose Composition.

MATHEMATICS.—Arithmetic, Algebra through Quadratic Equations, Plane Geometry.

ENGLISH.—Grammar and Composition; Literature; Greek, Roman, and United States History.

German and French as given under Course III will be accepted in place of Greek.

#### Course II.

LATIN.—As in Course I.

MATHEMATICS.—As in Course I, with the addition of the Theory and use of Logarithms.

English.—As in Course I.

Science.—The Elements of Physics and of Human Physiology.

German and French as given under Course III will be accepted in place of Latin.

#### Course III.

MATHEMATICS.—As in Course II.

English.—As in Course I.

SCIENCE.—As in Course II.

GERMAN.—Grammar and Whitney's Reader, Boisen's German Prose, Schiller's "Wilhelm Tell," Storm's Immensee.

FRENCH.—Whitney's Grammar; De Rougemont's La France; Knapp's French Readings; Telemaque, three Books; Athalie.

Latin as in Course I will be accepted in Course III in place of German and French.

The object of the above requisites, in the different Courses, is to test the ability of the candidate to pursue the studies of the Freshman Class. Equivalents may be substituted for the books mentioned. Any candidate whose examination indicates ability to advance with his class, will be allowed to make up deficiencies by extra work after admission.

#### EXAMINATIONS FOR ADMISSION.

Examinations for admission will be held at the College on Sixth month 24th, 1889, at 9.30 A. M., and on Ninth month 17th, 1889, at 9.30 A. M. Applicants are advised to present themselves at the first date for examination, on at least part of the requirements.

The certificates of teachers of certain recognized schools will be accepted in place of examination, so far as they cover our requirements. Blank forms for such teachers to fill up will be forwarded on application. Certificates of private tutors will not be accepted.

#### EXPENSES.

In the undergraduate department the usual charge for board and tuition is five hundred dollars. It may be twenty-five dollars in excess of this sum or one hundred and twenty-five dollars less than it, depending on the location of the room. In addition, the average annual cost of washing is about eighteen dollars a year; of books and stationery, about twenty-five dollars; students in laboratories pay for breakage and materials consumed. These items are charged on the term bills, if desired.

Day students are charged one hundred and fifty dollars a year for tuition, and two hundred dollars for tuition and dinner. In case a day student has the full room accommodations of a boarder, he is charged full price, namely, five hundred dollars.

Rooms are assigned in Barclay Hall, in the case of new students, in the order of application. A student can have a single room, or, in conjunction with another, can occupy a suite, consisting of a study and two adjoining bedrooms.

In the graduate department the charge for tuition is one hundred dollars, and for board and tuition is three hundred dollars.

For entry blanks, catalogues, and information, address

The President,

Haverford College P. O., Pennsylvania.

#### SPECIAL ADVANTAGES.

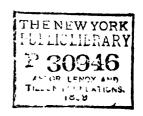
Haverford differs from most colleges in the fact that the small number of students to which it is limited enables a large amount of individual care to be given. This care tells not only in the mental, but also in the physical and moral well-being of the students.

Physical development is promoted by the wholesome conditions of living in a country locality of acknowledged healthfulness; by the large and beautiful lawn of sixty acres, lying within a farm of about two hundred and fifteen acres, embracing grounds for cricket, football, baseball, and tennis, a running track, and a pond for skating; and by a careful personal examination of each student by a trained physician, who directs the gymnasium exercises. These exercises are required of members of the Freshmen and Sophomore Classes. It is our experience that, almost universally, the students improve in health during their college course.

The facilities for instruction embrace a Library of seventeen thousand volumes, to which the students have free access for several hours daily; an Astronomical Observatory, equipped with large instruments of various kinds, which are used for practical instruction; a Chemical Laboratory, with thirty-eight separate working tables and full apparatus for analytical work; a Physical Laboratory, containing electrical and other apparatus; a Biological Laboratory, equipped with microscopes and charts; a Machine Shop, with engine, lathes, and various tools; together with apparatus for surveying, etc.

The Professors have been employed with reference, not only to their scholarship, but also to their ability to teach and their general wholesome influence.

The moral standard is maintained by care in the admission of students and by the separation from the College of such as are believed to be immoral; and by the efforts of officers who acknowledge their responsibilities in this direction, and are willing to exert such influence and take such measures as may be necessary to secure a good moral tone.



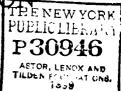
## REPORTS

# HAVERFORD COLLEGE

1888-1889

THE CORPORATION

OF



## HAVERFORD COLLEGE

#### REPORTS OF THE

BOARD OF MANAGERS

PRESIDENT OF THE COLLEGE

TREASURER OF THE CORPORATION

PRESENTED TO THE ANNUAL MEETING
TENTH MONTH 8TH, 1889.

PHILADELPHIA:
PRINTED FOR THE COLLEGE
1889

#### CORPORATION.

PRESIDENT:
WISTAR MORRIS,
No. 209 S. Third Street, Philadelphia.

SECRETARY,
ELLISTON P. MORRIS,
No. 21 North Seventh Street, Philadelphia.

TREASURER,
ASA S. WING,
No. 409 Chestnut Street, Philadelphia.

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ROBERT B. HAINES.

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John Farnum Professor of Chemistry.

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\*Arranged primarily as Professors, Lecturers, Instructors, etc., secondarily in the order of appointment.

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DAVID SCULL INSTRUCTOR IN BIOLOGY; INSTRUCTOR IN PHYSICAL TRAINING.

JOHN H. BECHTEL,
INSTRUCTOR IN ELOCUTION.

ALLISON WING SLOCUM, A. M., SECRETARY OF THE COLLEGE.

FRANK WARRINGTON PEIRSON, A. B.,
ASSISTANT IN THE LIBRARY.

## VISITING COMMITTEES OF THE BOARD OF MANAGERS.

#### FROM NINTH MONTH TO TWELFTH MONTH VACATION.

HOWARD COMFORT, WISTAR MORRIS, T. WISTAR BROWN, JAMES WHITALL,

RICHARD WOOD, ROBERT B. HAINES, PHILIP C. GARRETT, JUSTUS C. STRAWBRIDGE.

ASA S. WING.

#### FROM TWELFTH MONTH VACATION TO FOURTH MONTH FIRST.

FRANCIS STOKES, ELLISTON P. MORRIS, JAMES CAREY THOMAS, CHARLES HARTSHORNE, FRANCIS T. KING FRANCIS T. KING.

WILLIAM B. THURSTON, DAVID SCULL,

JOHN B. GARRETT.

WILLIAM H. HAINES.

#### FROM FOURTH MONTH FIRST TO COMMENCEMENT.

CHARLES ROBERTS, EDWARD BETTLE, Jr., RICHARD CADBURY, FRANCIS WHITE,

WILLIAM S. TAYLOR, BENJAMIN H. SHOEMAKER,

JAMES WOOD, ABRAM F. HUSTON,

J. PRESTON THOMAS.

# REPORT OF THE BOARD OF MANAGERS TO THE CORPORATION OF HAVERFORD COLLEGE.

#### 1889.

The Managers report that the College year of 1888 and 1889 closed with the Commencement in Sixth month last, when nineteen Seniors received the degree of Bachelor of Arts, five the degree of Commencement Debachelor of Science, and one the degree of Bachelor of Engineering. The last degree was also conferred upon a member of the class of 1888. Five resident graduates, who had taken special courses of study, were awarded the degree of Master of Arts. The class of 1889 was the largest the College has ever graduated, and compared favorably with any of its predecessors in character and scholarship.

The present College year has opened with a larger attendance than ever before. The number Attendance of students now enrolled is 111, classified as follows: Graduate Students, 16; Seniors, 24; Juniors, 12; Sophomores, 27; Freshmen, 32. Of the foregoing 50 are new admissions.

Professor J. Rendel Harris has returned, after a year spent in research in the East, and has re-

Faculty.

sumed his duties as Professor of Bible Languages and Ecclesiastical History. Dr. McMurrich and Professor Rogers have withdrawn from the Faculty; the former has accepted a position in Clark University, and the latter intends to pursue further studies. Although the connection of these Professors with Haverford has been comparatively brief, the stimulating effect of their energy and interest in their respective departments has been felt throughout the College. Dr. W. S. Hall, a graduate of Northwestern University and Chicago Medical College, has been appointed Instructor in Biology. The President of the College has felt the importance of giving systematic and scientific attention to the physical training of the students. A beginning was made in this direction in the year 1881 by the appointment of an Instructor in Physical Training and Director of the Gymnasium. This has been continued ever since, and with most excellent results. The two physicians who have been in charge of this department have not, however, lived at the College. The Board, on recommendation of President Sharpless, has therefore appointed Dr. Hall as Resident Instructor of Physical Training. He has taken the entire course of Dr. D. S. Sargent, Professor of Physical Training at Harvard University, and has received Dr. Sargent's diploma. He brings to his work at Haverford great interest in the subject, and his medical training and experience will be most valuable.

Physical Training.

The Managers believe that the Corporation will approve of their resolution to support President

Sharpless in his earnest efforts not only to strengthen the Faculty for efficient work in all the branches demanded in a modern curriculum, but also to raise the physical conditions of the College to the highest standard circumstances will permit.

The granting of Masters' degrees to graduate students at our last Commencement, and the attendance of such students this year, invites attention to graduate students. this new feature in the history of the College. Announcement has been made in our Catalogue that graduates of other Colleges and scientific schools of good standing, who present satisfactory evidence of character and qualifications, will be admitted as candidates for the degree of A. M. year's residence at Haverford will be required of all such students. The charge for graduate students has been fixed at \$300 for board and tuition, and \$100 for tuition alone. In providing for this new class of students at prices which barely cover the cost of tuition alone, your Board has been influenced by several considerations. Young men who have completed the regular undergraduate course often desire to better qualify themselves for their special work in life by taking another year of advanced study. The enlargement of our Faculty has resulted in specializing the instruction, and allowing our Professors more time for independent study. The resources and equipment of the College are gradually improving. Students applied who desired Graduate to take graduate courses in some particular branch, and as the College was able to supply the demand, it was concluded to admit a limited number in this department, selected with particular reference to

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character and qualifications from those who have received a Bachelor's degree. It is believed that the presence of a body of such students will be beneficial to the College at large, and an encouragement and stimulus to the Faculty. The charges for graduate students have been fixed at the prices given on account of their work being carried on without reference to our curriculum, or interference with the regular classes of the College. Our laboratories, library, observatory, and apparatus are open to these students, and they will pursue their studies under the advice and supervision of our Professors.

Increased Accommodations. The prospect of an increased attendance of students the present year, led the Board to approve of a proposition made by the President, to adapt the dwelling formerly occupied by President Chase to accommodate those who could not be furnished with rooms in our other halls. The necessary changes were made at small expense, and thirteen students now make their home in the dwelling, which is to be known as Woodside Cottage.

Woodside Cottage.

Library.

During the year 482 volumes were added to the Library; 47 of these replace duplicates removed, thus making the net increase 435. The total number of bound volumes now on the shelves is 17,886. Of the 482 additions 249 were bought, 160 were given, and 73 were periodicals bound up. Of the books bought, 48 were paid for out of the income of the "Edward L. Scull Fund," by a special vote of the Board, and a number of others were purchased from a sum raised by private contribution. A list of the gifts is appended to this report. Most of the pamphlets in the Library have been gone over, classified and partially catalogued, thus ren-

dering them much more useful. The students continue to appreciate the privileges of the Library, and an intelligent use of the books is growing year by year. It is greatly to be regretted that the Library Fund is not much larger.

The Board has long been impressed with the scholarimportance of increasing the means at our disposal for awarding scholarships and fellowships. feeling took shape in an effort to raise a sum to be expended for the above purpose. Through the generosity of a few friends this effort has been successful. From this source four Graduate Fellow-Graduate Fellow-Graduate ships have been established, open to graduates of thips. the four leading Friends' colleges. The balance has been appropriated to assisting well-qualified young men of promise, who felt themselves unable to pay the full charges. The great usefulness of contributions for scholarship purposes, both to the College and to those immediately benefited, has been set forth in former reports, and it is only necessary to add that it is extremely gratifying to the Managers to find that the friends of Haverford are willing to manifest their continued interest by this substantial aid. Haverford is each year reach-Relations ing more intimate and harmonious relations with schools. the preparatory schools of the Society of Friends throughout the country, and also gaining an increasing support from other schools of high rank in this community.

The Treasurer's account, and that of the Library Financial. Fund, are submitted with this report. The deficit reported last year has been increased by current expenses, until it now amounts to \$16,143.88. This accumulation of another deficiency so soon

after the College was reported clear from debt is a cause of much anxiety and regret to the Managers. Our increased salary list is the main factor in producing this result, but the various items of expense require constant appropriation to keep pace with the growth of the College. Our expenditures are limited to the smallest amount compatible with the maintenance of the usefulness of our work, and it is hoped that the larger revenue from students, and a longer experience in managing the details of a growing institution, will produce a better result in the operations of the coming year.

Conclusion.

It must be remembered that higher education in its methods of teaching and scope of training keeps pace with the advance of the world in other directions. If Haverford is to fulfill the expectations of its founders, the hopes of its supporters in the past, and the demands of its patrons in the present and coming years, those charged with its management must not relax their efforts to provide as officers men of broad mental and spiritual culture, thoroughly furnished for their work as exponents of true Christian scholarship. The fidelity with which the President of the College and the members of the Faculty have discharged their duties is much appreciated, and we gratefully acknowledge the protecting care of our Heavenly Father in extending health to the family of students, and crowning with a fair degree of success the efforts of the year.

By direction of the Board,

WISTAR MORRIS,

President.

HOWARD COMFORT, Secretary, Philadelphia, Tenth mo. 7th, 1889.

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# PRESIDENT'S REPORT.

To the Board of Managers of Haverford College:

In my last report I spoke of the advantages we work of the had a right to expect from the additions to the Faculty which had been made in the three years past. Another year's work seems to justify all that was said.

I wish again to call attention to the deficiency in Additional Our scientific equipment, especially in the subjects ment. of physics and mechanics; also to point out the constantly growing disadvantage our Professors and Students labor under from the limited resources we possess for the purchase of books and periodicals for the Library.

The present Freshmen Class is probably the best preparation of the prepared in the history of the College. Our ad-Freshman vanced requirements, which were announced two years ago, have now come into effect for the first time. It is probably not wholly an accident that the larger numbers and the higher standard are coincident. We are now on an equality in conditions of admission with neighboring colleges for young men, and it will probably be inexpedient in the near future to advance the published standard much further.

The age of admission to Haverford College has Age of Freshmen.

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undoubtedly advanced as compared with twenty years ago. For four years past it has been as follows:

1886	17	years	2	months.
1887	17	"	6	"
1888	17	"	3	"
1889	18	66	2	"

It would, therefore, appear that the age of the present class showed a marked increase. If, however, we analyze the ages, the figures lose part of their significance. Of those now at the College there are:

Between	15	and	16,	2 F	reshmen.
"	16	"	17,	8	"
"	17	"	18,	8	"
"	18	"	19,	6	"
"	19	"	20,	2	"
"	<b>2</b> 0	"	21,	1	"
Over	21			3	"

If we deduct from the class the four students over twenty, to whom there have not been counterparts in recent classes, the average is seventeen years five months, agreeing quite closely with preceding years. If any one should ask the question why the advanced standard did not necessarily increase the age, one answer would be that the improvements in the fitting schools brought the boys along in their studies more rapidly than formerly. It may be supposed that this improvement will continue, so that a decrease rather than an increase of age may

be looked for in the future. From a knowledge of the *personnel* of the class, I should infer that the best schools will thoroughly prepare a good student for Haverford by the time he is seventeen years old.

The addition of Dr. W. S. Hall to the Faculty work of Dr. will, we hope, enable us to educate our students physically with as much method and success as their mental training is cared for. Dr. Hall is a specialist in his science, as well as a man of general culture. His work will be directed toward encouraging the sedentary, restraining those who would over-exert themselves, caring for congenital or acquired weaknesses, directing the gymnasium exercises, and giving practical and scientific instruction to all the classes in physiology and hygiene. In addition to being the adviser of the students, his functions will include an oversight of all the sanitary appliances of the College.

His relation to games will, also, be that of a hygienic adviser. As in the past, the attitude of the College will be to encourage field sports, while endeavoring to eliminate the physical and moral evils which sometimes accompany them. Dr. Hall will be able to speak authoritatively as to whether a certain game is prejudicial to a certain student, and the College can thus act intelligently in the case. Probably, also, his duties will require him to do as much in the way of advising inert students to participate as in limiting the participation of others.

It is impossible for an observant person to shut college his eyes to the fact that, despite all the efforts of Faculties, very glaring evils cluster around colle-

giate sports in general, which the opinion of the college public does not sufficiently condemn. Some of these are, unfair advantages of opponents to secure victory, betting, loss of time, and physical brutality. The extent to which these evils exist varies in different colleges. In some they have a very slight hold, indeed, but unless quite pronounced it is questionable whether they counterbalance the equally manifest advantages which accompany the games. Some of these may be said to be physical exercise, development of a strong college spirit, the discipline of organization and drill, and the removal of temptation to gross immorality.

Our Faculty is keenly alive to both sides of this question. The problem we have to work out is to secure the benefits of games at as small a sacrifice as possible. In its solution we have always had the great body of our students actively and effectively co-operating. The greatest difficulty lies in the lack of intercollegiate arrangements for lessening the evils.

New Gymnasium. It will much facilitate the work of Dr. Hall to have the new Gymnasium, which the Alumni contemplate erecting.

Significance of A. B.

Fifty years ago, the degree of Bachelor of Arts had a well-defined meaning. Now, at least two of our leading Universities grant it to students who have studied no Greek. Whether or not we approve of this change, we will admit that it has altered the significance of the degree, and there is no probability that the old meaning will ever be restored. Colleges should now insist on the degree standing for general, rather than narrow, technical training.

The course for which we have given the degree of Bachelor of Science will, in the case of many students, produce such a general development. these students pursued the same course in other institutions, they would have been rewarded with the Arts degree. I think the time should soon come when Haverford will give the same degree for the same work.

We have made some progress toward it in ac-New condi-tion of Ad-cepting both the languages, German and French, mission. as an equivalent for Greek, in the requisites for This has had the effect to draw a few admission. students from the Science to the Arts course. As soon as the Freshmen classes are large enough to justify division, I should think it would be advisable to have still another substitute for Greek in the admission requirements. There would then be a certain amount of English, Latin, and Mathematics required for all, and also one of the following:

- 1. Greek.
- 2. German and French.
- 3. Additional Mathematics and Science.

The three should be so arranged that they would be as near as possible actual equivalents for each other in the time required for preparation, and the resulting intellectual maturity.

The Science degree would then mean such knowl-signifiedge as is now gained by our Engineering and E.B. Chemical courses, and need not involve any Latin or Greek for admission.

The increase in the number of Graduate Students Graduate Students Students.

is an interesting development. With the exception of offering four Fellowships, we have given no direct encouragement to graduates to seek instruction here. We have studiously refrained from advising our Seniors to continue their work at Haverford, preferring that they should come to an unprejudiced choice. Knowing as well as they did our resources in teachers and equipment, it is gratifying that so many of them elected to remain with us. It is quite likely there will not be so many in succeeding years. Very much depends on the future prospects of the members of the Senior Class. But the fact is evident, that at least in some departments we are fitted to give competent instruction to a few graduate students.

Of the sixteen graduates ten are Bachelors of Haverford College, two of Wilmington College, and one each of Earlham College, Penn College, Cornell University and Wesleyan University (Connecticut).

Courses of Graduate Students. The following table gives the character of the courses taken by them:

				_																Minor Subject.
Greek, .						•								•		•			3	
Latin, .																				1
English,																			7	1
Gothic,																				1
German,																				5
French,																				2
Mathema																				
Astronom																				1
American	•																		2	
Ecclesias																				3
Chemistr																			1	
Biology,																				
Physics,																				
Engineer	in	g,	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		1

We desire so to manage matters that no disadvantage will result to the undergraduates from the presence of these advanced students. We shall not admit enough in any one department to tax unduly the time of the Professor. At present it seems as if they would stimulate both Professor and undergraduate to higher and better work. In most cases they take as minor subjects courses now given to Seniors and Juniors. Thus it happens that only in the major subject is any additional work imposed.

The most of these students are candidates for the conditions degree of Master of Arts. It is the purpose of the M. Degree. Faculty to maintain a high standard for this degree, and to recommend to the Board only students who satisfy the following conditions:

1st.—They must be graduates of Haverford College, or such other graduates as can satisfy the Faculty of their ability to pursue our courses successfully.

2D.—They must give at least three-fourths of their time to a major subject, and pass creditably the examinations thereon.

3D.—In the case of graduates of other Colleges, the year's residence will be required. Our own graduates, who are non-resident, may also be examined for the degree, not less than three years after graduation. The examinations in their cases will be of equal thoroughness with those given to such as devote a year's resident study to their work. The resident graduates enable us, therefore, to set a standard for the Master's degree, which we have not had heretofore.

Fellowships.

The four Fellowships which the kindness of friends has enabled us to offer are likely to perform an important part in binding together Friends' colleges, and to be an advantage to the College and to the Society. There were numerous applications for the Haverford Fellowship, and it was divided between two meritorious students of the class I am informed that in some of the colleges, and perhaps in all, there was competition for the Fellowship, and so far as I can see at present, in all cases very satisfactory students have been nominated and accepted. It would be desirable if this foundation were placed on a more permanent basis than at present, and probably extended to other Friends' colleges which are or may be established whenever they satisfy our Faculty with the extent and quality of their courses.

Scholarships in Schools, It would also probably work out good results if a number of Scholarships in Haverford College were established, to be granted on the recommendation of certain schools which prepare boys for Haverford. This arrangement would probably be acceptable to the schools. We would secure some of their best students, whose associations would naturally bring them to us, but on account of expense are now directed to other colleges. The successful competitor would frequently bring with him others, for it is comparatively rare that a boy comes from a school alone.

Haverford College Studies, The publication of the first and second numbers of the *Haverford College Studies* has been accomplished during the past year. The first number contains 162, and the second 70 octavo pages. Five

of the officers contributed to the first, and two to the second. The articles give the original work of their authors, and are of a high order of merit. The Faculty is very solicitous that nothing cheap or merely popular should find a place in these pages. The publication has been favorably noticed by reputable journals, and, especially in the field of Astronomy, has brought us many valuable exchanges. By binding separately the different papers, each contributor has been enabled to distribute to his fellow-laborers in the same field. is to be desired that the publication of future numbers may be assured, as that of the past has been, by financial contributions, as the sales will not probably cover the expenses.

The following Lectures, in addition to those to the classes, were delivered during the year:

President Isaac Sharpless, "Physical Training and College Games."

Professor Robert W. Rogers, "Isaiah and his Times."

Professor Francis B. Gummere, "Germanic Mythe and Old English Poetry,"

Alden Sampson, A. M., of New York, "THE CONTEMPLATION OF THE POETIC GENIUS."

Dr. James L. Phillips, Secretary of the Evangelical Alliance,

"ADVENTURES AFOOT IN AND OUT OF ASIA.",

. Dr. George Dana Boardman, of Philadelphia, "Respect for Authority."

Dr. W. H. S. Aubrey, of England, "GLADSTONE.—HIS CHARACTERISTICS—HIS PERSONALITY—HIS CARMER."

R. G. Horr, of Michigan, "The Labor Problem."

Dr. E. P. Terhune, of Brooklyn, "Rome."

Charles H. Adams, of Philadelphia,
"NINETY MINUTES IN GREAT BRITAIN AND IRELAND."
(Illustrated.)

In the intercourse of the Faculty with the stuof Faculty
students. dents, we are often impressed by the advantages
gained by the closeness of the existing relations.
All feel that being a "Haverfordian" implies both
pleasures and duties, and very valuable parts of
the student's education result from the extraofficial intercourse. Individual help to students in
our small and closely allied community is freely
given, and the development of character and of
right habits of thinking and living are often fostered.

These points have always been conspicuous at Haverford, and we trust that no broadening of its functions or changes in its methods will occasion their sacrifice.

ISAAC SHARPLESS.

HAVERFORD COLLEGE, Tenth month 5th, 1889.

# SUMMARY OF THE ACCOUNT OF THE

# TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE

From Eighth mo. 31st, 1888, to Eighth mo. 31st, 1889.

## RECEIPTS.

	n mo. 31st, 1888,	<b>\$</b> 166 88
	s-General or Endowment Fund, . \$5,148 00	
66 66	-Thomas P. Cope Fund, 233 28	
66 64	-Edward Yarnall Fund, 224 21	
46	—Library Fund, 518 25	
e6 6e	-I. V. Williamson Fund, 994 81	
es 44	-John Farnum Memorial Fund, . 1,286 24	
a6 66	—David Scull Fund, 1,479 63	
40 40	-Richard T, Jones Fund, 220 50	
46	-Edward L. Scull Fund, 510 40	
		10,614 82
Danta		0 107 00
Rents,		2,127 00
	cipal for Contingent Account,	1,353 60
	\$30,691 94	
" schol	larships, 6,510 50	37,202 44
		JI,202 TT
Board of Professors,		1,371 51
Stationery,		2,227 94
Laundry,	<i> </i>	512 47
Laboratory,		366 00
Farm,		6,761 79
Incidentals,		527 27
Receipts for previous yes	ar's accounts,	1,154 16
	ships and fellowships, \$3,475 00	·
	ase Hall, 1,795 00	
	rford Studies," 225 00	
	pecial purposes, 835 05	
		6,330 05
W b		00 500 00
investments paid off or s	old for account of various funds,	10,420 92
	\$1	04,636 85

# PAYMENTS.

Salaries,							. \$29	,750	00
Provisions,							. 11	,937	48
Wages,							. 4	,166	<b>59</b>
Family expenses and	furniture	,						715	20
			<i>.</i>				. 2	,836	94
Lawn and garden,							. 1	,523	98
Farm,							. 6	,240	69
Laboratories,								907	50
Observatory,							•	33	<b>53</b>
Laundry,								600	00
Stationery,			<b>.</b>				. 2	,124	70
Printing and advertis								268	15
Machine shop and drs	wing-roo	m,						192	26
Incidentals,	•	•						513	06
Insurance							. 1	.144	81
Taxes,								.344	
Interest,								,179	
Repairs and improver								427	
Treasurer of the Libr								518	
	,	,							
							<b>\$68</b>	,424	44
Expenses for previous	•				٠.			228	73
Scholarships, charged	to Gener	al Fund,						228	73
Scholarships, charged	to Gener I. V.	al Fund, Williams	on Fund			900	00	228	73
Scholarships, charged	to Gener I. V. Thos.	al Fund, Williams P. Cope	on Fund Fund,	, 	• • • •	900 200	00 00	228	73
Scholarships, charged	to Gener I. V. Thos. Edwa	al Fund, Williams P. Cope rd Yarns	on Fund Fund, . Il Fund,	• • • •	• • • •	900 200 200	00 00 00	228	73
Scholarships, charged	to Gener I. V. Thos. Edwa Richa	al Fund, Williams P. Cope rd Yarna rd T. Jon	on Fund Fund, . Il Fund, nes Fund	,		900 200 200 220	00 00 00 50	228	73
Scholarships, charged	to Gener I. V. Thos. Edwa Richa	al Fund, Williams P. Cope rd Yarns	on Fund Fund, . Il Fund, nes Fund	,		900 200 200	00 00 00 50 50		
Scholarships, charged	to Gener I. V. Thos. Edwa Richa	al Fund, Williams P. Cope rd Yarna rd T. Jon	on Fund Fund, . Il Fund, nes Fund	,		900 200 200 220	00 00 00 50 50	<b>228</b> 510	
Scholarships, charged	to Gener I. V. Thos. Edwa Richa specia	al Fund, Williams P. Cope rd Yarna rd T. Jou	on Fund Fund, . Il Fund, nes Fund utions, .			900 200 200 220 2,175	00 00 00 50 00 — 6,	510	50
Scholarships, charged  " " " " " Appropriations paid fi	to Gener I. V. Thos. Edwa Richa specia	al Fund, Williams P. Cope rd Yarns rd T. Jou l contribute me Edw.	on Fund Fund, . Il Fund, nes Fund utions, .	Legac	· · · · · · · · · · · · · · · · · · ·	900 200 200 220 2,175	00 00 00 50 00 — 6,	510 400	50
Scholarships, charged  " " " " Appropriations paid fr	to Gener I. V. Thos. Edwa: Richa specia com incom w double	al Fund, Williams P. Cope rd Yarns rd T. Jon l contribute me Edw. dwelling	on Fund, Fund, Il Fund, nes Fund utions, L. Scull	Legac	y,	900 200 200 220 2,175	00 00 00 50 00 	510	50
Scholarships, charged  " " " " Appropriations paid fr Paid on account of ne Paid out of special dor	to Gener I. V. Thos. Edwar Richa specia com incom w double nation for	al Fund, Williams P. Cope rd Yarns rd T. Jon l contribute me Edw. dwelling r Chase 1	on Fund, Fund, Il Fund, nes Fund utions, L. Scull on Colle	Legac	· · · · · · · · · · · · · · · · · · ·	900   200   200   220   2,175	00 00 00 50 00 	510 400	50
Scholarships, charged  " " " " " " " " " " " " " Appropriations paid fr Paid on account of ne Paid out of special do " "	to Gener I. V. Thos. Edwar Richa specia com incom w double nation for	al Fund, Williams P. Cope rd Yarna rd T. Jon l contribution me Edw. dwelling r Chase 1 "Haven	on Fund, Il Fund, ll Fund, nes Fund utions, L. Scull on Colle Hall,	Legacege Ledies,"		900 200 200 220 2,175 4,986 225	00 00 00 50 00 	510 400	50
Scholarships, charged  """  Appropriations paid fr Paid on account of ne Paid out of special dor  """  """  """	to Gener I. V. Thos. Edwa Richa specia com incom w double nation for	al Fund, Williams P. Cope rd Yarna rd T. Joi l contrib me Edw. dwelling r Chase 1 "Haver Athleti	on Fund, Il Fund, Il Fund, thes Fund utions, L. Scull on Colle Hall, ford Stu	Legacege Ladies,"	· · · · · · · · · · · · · · · · · · ·	900   200   200   220   2,175   4,986   225   602	00 00 50 50 00 	510 400	50
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Appropriations paid from Paid on account of ne Paid out of special do	to Gener I. V. Thos. Edwa Richa specia com incom w double nation for "	al Fund, Williams P. Cope rd Yarna rd T. Joi l contrib me Edw. dwelling r Chase 1 "Have Athleti other p	on Fund, Fund, Il Fund, nes Fund utions, L. Scull on Colle Hall, ford Stu c Groune urposes,	Legacege Ladies,"		900   200   200   220   2,175   4,986   225   602	000 000 000 500 000 6, 	510 400 210	50 00 82
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Scholarships, charged  """""""""""""""""""""""""""""""""""	to Gener I. V. Thos. Edwar Richa specia om incom w double nation fo	al Fund, Williams P. Cope rd Yarna rd T. Jon l contrib me Edw. dwelling r Chase I "Have Athleti other p	on Fund, Fund, Il Fund, nes Fund utions, L. Scull y on Colle Hall, c Ground urposes,	Legacege Ladies,"		900 200 200 220 220 22,175 24,986 225 602 2833 6	000 000 000 500 000 6, 	510 400 210 646	50 00 82 74 00 00
Appropriations paid from Paid on account of ne Paid out of special do	to Gener I. V. Thos. Edwar Richa specia om incom w double nation fo	al Fund, Williams P. Cope rd Yarna rd T. Jon l contrib me Edw. dwelling r Chase I "Have Athleti other p	on Fund, Fund, Il Fund, nes Fund utions, L. Scull y on Colle Hall, c Ground urposes,	Legacege Ladies,"		900 200 200 220 220 22,175 24,986 225 602 2833 6	000 000 000 500 000 6, 	510 400 210	50 00 82 74 00 00
Scholarships, charged  """""""""""""""""""""""""""""""""""	to Gener I. V. Thos. Edwar Richa specia om incom w double nation fo	al Fund, Williams P. Cope rd Yarna rd T. Jon l contrib me Edw. dwelling r Chase I "Have Athleti other p	on Fund, Fund, Il Fund, nes Fund utions, L. Scull y on Colle Hall, c Ground urposes,	Legacege Ladies,"		900 200 200 220 220 22,175 24,986 225 602 2833 6	000 000 000 500 000 6, 	510 400 ,210 646 200 650 365	50 00 82 74 00 62

# TREASURER'S REPORT.

THO	MAS	Р.	COPE	FUND.
	FOI	mn	ED 1842	

FOUNDED 1842.	
Par value of Invested Funds,	
Total fund,	<b>\$4,98</b> 5 20
Paid for the Thomas P. Cope Scholarship,	240 56 200 00 \$40 56
Balance on hand at end of year,	<b>₽</b> ₩ 00
GENERAL OR ENDOWMENT FUND.  ESTABLISHED 1847.	
Par value of Invested Funds,	
Total fund,	\$95,990 57 5,148 00 5,148 00
LIBRARY FUND.  ESTABLISHED BY THE ALUMNI ASSOCIATION, 1863.  Par value of Invested Funds,	
Principal uninvested,	
Total fund,	\$10,765 32 518 25 518 25
EDWARD YARNALL FUND. FOUNDED 1860.	
Par value of Invested Funds,	
Total fund,	\$5,122 75 270 37
Paid for the Edward Yarnall Scholarship,	200 00 \$70 37
	4.0.01

# ISAIAH V. WILLIAMSON FUND.

FOUNDED 187	B AND	INCREASED	1883.
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Par value of Invested Funds,										
Total fund,	\$19,320 64									
Paid for I. V. Williamson Scholarships,	1,023 17 900 00 \$123 17									
JOHN FARNUM MEMORIAL FUND.  ESTABLISHED 1878.										
Par value of the Fund, all invested,	\$26,250 00 1,286 24 1,286 24									
EDWARD L. SCULL LEGACY.										
RECEIVED IN 1885.										
Par value of Invested Funds,										
Total fund,	\$10,206 23									
Appropriated for the Library,	599 49									
Balance on hand at end of the year,	199 49									
DAVID SCULL FUND. FOUNDED 1885.										
Par value of Invested Funds,										
Total fund,	\$33,723 25 1,479 63 1,479 63									

#### RICHARD T. JONES SCHOLARSHIP FUND.

FOUNDED BY WILL OF JACOB P. JONES, 1886.

Par value of the Fund, all invested,	•					<b>\$</b> 5,000 00
Income received during the year,						220 50
Paid for the Richard T. Jones Scholarship,						220 50

## SUMMARY OF THE FUNDS.

General or Endowment Fund,							\$95,990	57	
Isaiah V. Williamson Fund, .			•				19,320	64	
John Farnum Memorial Fund,							26,250	00	
Library Fund,							10,765	32	
Thomas P. Cope Fund,							4,985	20	
Edward Yarnall Fund,									
David Scull Fund,							33,723	25	
Richard T. Jones Scholarship									
Edward L. Scull Legacy,									
Total, par value,								-	\$211,363 96

Being \$1,353 60 (from Contingent Account) more than reported a year ago, exclusive of the Special Fund.

## SPECIAL FUND.

This Fund is made up of money donated for special purposes and now awaiting application thereto, as follows:

For Scholarships and Fellowships,	•			•		\$2,550 00	
For Improvement on the Lane, .		•				288 95	
For the Lawn,						215 00	
For purpose not yet specified,						50 00	
• • • • •							<b>\$3</b> ,103 95

We have examined the account of Asa S. Wing, Treasurer, for the year ending, Eighth mo. 31st, 1889, of which the foregoing is a summary, comparing the payments with his vouchers therefor, and find the same to be correct, the balance being \$44.82.

{ Signed } EDWARD BETTLE, JR., CHARLES ROBERTS,

Committee appointed to examine the Account.

PHILADELPHIA, Ninth mo. 19th, 1889.

We have examined the securities belonging to the Corporation of Haverford College and find them to agree with the foregoing Statement of the Treasurer.

(Signed) RICHARD CADBURY,

Committee appointed to examine the Securities.

PHILADELPHIA, Tenth mo. 7th, 1888.

## REPORT OF CHARLES ROBERTS, TREASURER OF

# HAVERFORD COLLEGE LIBRARY COMMITTEE.

# FOR YEAR ENDING 10th MONTH 5th, 1889.

		,	יייים מ	EIPT	<b>1</b> 60				
			rec.	CILI	ıo.				
Balance 10th mo. 8th, 1888,								<b>\$</b> 131 <b>53</b>	
Interest of Library Fund,							•.	<b>4</b> 81 <b>5</b> 0	
Interest on Deposits, .								1 17	
Edward L, Scull Fund,								200 00	
									\$81 <b>4 20</b>
		P	AYM	ENT	<b>'</b> S.				
Books and Periodicals,								\$562 10	
Binding,								58 <b>44</b>	
		,				•		8 00	
Balance 10th mo. 5th, 1889,								185 66	
									\$814 20
Examined and found corr	ect.				/ <b>Q</b> ;	mad)	Ноч	ARD COM	PADE P
Tenth mo. 7th, 1889.					(GI)	Smort)	11UW	ABD COM	· Van a ·

# LIST OF GIFTS TO THE COLLEGE LIBRARY. FOR YEAR ENDING 9th MONTH 25th, 1889.

U. S. Government Departments, 35 vols.; Howard Comfort, 18 vols.; C. R. Yarnall, 18 vols.; Anna Yarnall, 11 vols.; U. S. Fish Commission, 6 vols.; Penna-Geological Survey, 5 vols.; Hon. S. Darlington, 5 vols.; Hon. C. W. Stone, 4 vols.; Joel Cadbury, 4 vols.; R. S. J. Randolph, 3 vols.; James Whitall, 3 vols.; N. J. Geological Survey, 2 vols.; W. Holden, 2 vols.; N. Ayar & Co., 2 vols.

# ORDER OF THE PUBLIC EXERCISES OF THE JUNIOR CLASS.

FIFTH DAY, FOURTH MONTH 11TH, 1889.

"THE ELECTORAL COLLEGE,"

H. R. BRINGHURST, JR.,

Wilmington, Del.

"FAITH-HEALING,"

T. S. KIRKBRIDE,

Philadelphia, Pa.

"MODERN CRITICISMS,"

E. M. ANGELL,

Glen Falls, N. Y.

"BURMA,"

J. S. AUCHINCLOSS,

Bryn Mawr, Pa.

"THE PAINTER,"

H. L. GILBERT,

Philadelphia, Pa.

"LETTERS AND A SOCIAL REFORM,"

J. M. STEERE,

Burrillville, B. I.

# ORDER OF EXERCISES AT COMMENCEMENT.

SIXTH MONTH 25TH, 1889.

"LATIN SALUTATORY,"

CHARLES H. BURR, JR.
Philadelphia, Pa.

"THE GREEK IDEAL,"

VICTOR M. HAUGHTON.

Bryn Mawr, Pa.

"THE REPUPLIC OF THE RIVER PLATTE,"

WARREN C. GOODWIN.

Greenwich, N. J.

"INDIVIDUALISM,"

WARNER H. FITE.
Philadelphia, Pa.

"THE DESTINY OF CANADA-NOT MANIFEST,"-

LINDLEY M. STEVENS.

Canada.

"VALEDICTORY,"

S. PRIOLEAU RAVENEL, JR. Charleston, S. C.

BACCALAUREATE ADDRESS,
BY PROFESSOR FRANCIS B. GUMMERE.

CONFERRING OF DEGREES.
BY PRESIDENT SHARPLESS.

STUDENTS GRADUATING IN THE FIRST BANK: CHARLES H. BURR, DANIEL CLARK LEWIS.

# **DEGREES**

#### CONFERRED AT THE COMMENCEMENT IN 1889.

#### MASTER OF ARTS.

LEVI TALBOT EDWARDS, of the Class of 1881. HENRY HERBERT GODDARD, of the Class of 1887. HENRY VOLKMAR GUMMERE, of the Class of 1888. ALLISON WING SLOCUM, of the Class of 1888. MARTIN BELL STUBBS, of the Class of 1888.

#### BACHELOR OF ARTS.

ROBERT COLEMAN BANES, THOMAS EVANS. WARNER HUTCHINSON FITE,
WALTER GEORGE BEADE,
LINDLEY MURBAY STEVENS, VICTOR MELLET HAUGHTON, JOHN STOGDELL STOKES, FRANKLIN BUTLER KIRKBRIDE, LAYTON W. TODHUNTER, DANIEL CLARK LEWIS.

LAWRENCE JOHNSON MORRIS, THOMAS FRANKLIN BRANSON, WILLIAM FRANKLIN OVERMAN, CHARLES H. BURR, Jr., FRANK WARRINGTON PEIRSON, SAM'L PRIOLEAU RAVENEL, Jr., FREDERICK NEILSON VAIL, GILBERT CONGDON WOOD.

#### BACHELOR OF SCIENCE.

WILLIAM RUSH DUNTON, JOSEPH HENRY PAINTER, ARTHUR NEWLIN LEEDS, DAVID JONES REINHARDT, FRANK EARLE THOMPSON.

# BACHELOR OF ENGINEERING.

HERBERT MORRIS.

RICHARD JONES MORRIS.

# HAVERFORD COLLEGE.

# PROGRAMME OF RECITATIONS

FIRST HALF-YEAR, 1888-89.

			SECOND	DAY.		
SENIOR	8.30 <del>-9</del> ,30.	9.30–10.30, Scripture, Sc. Scripture, Cl.	10.30-11.30. German. I.	11.30-12.30. Logic.	2–3. French. II. Physics.	3-4. Greek. II. Physics.
JUNIOR		Scripture. Sc. Scripture. Cl.	German, I,	Geology.	French. II.	Greek. II. Org. Chemistry.
80PH		Scripture.	*************	El. Physics,	Shop Work (eng).	Shop Work (esg). French. IV. Mathematics. Cl.
FRESH	<del></del>	······································	Scripture.	English.	***************************************	Latin. French. IV.
			THIRD D			
SENIOR	8.30 <b>-9.3</b> 0. German. I.	9.30–10.30. English. I.	10.30-11.30. Mechanics. Greek. II. French. II. English. II.	11.30-12 30. German. II. Mathematics, I.	2–3. An. Chemistry. Biology. II.	3-4. An. Chemistry. Biology. II.
	German. I.	El. Calculus.	Greek. II. French. II. English II	German. II. German. III.	An. Chemistry. Biology. II.	An. Chemistry. Biology, II.
80PH	Mathemat. S	c.Shop Work (eng).	Shop Work (eng). Mathematics. Cl.	Greek. Shop Work (eng). French. IV.	Biology. Sc. El. Physics (eng).	Latin. Biology. Sc. El. Physics (eng.).
FRESH,		Geometry.	******	Latin. French. IV.	Mech. Drawing.	Greek. Mech. Drawing.
			FOURTH (	DAY.		
CHATTAN	8.30-9.30.	9.30-10.30.	10.30-11.30.	11.30-12,30.	2-3.	3-4.
	French. I. Mathematics.	Latin.	German. II. Hebrew. I.	Logic.	An. Chemistry. Biology. II.	An. Chemistry. Biology. II.
JUNIOB	Engineering.	History. Latin. Mech.Draw.(eng).	German, II.	.Mech.Dr'w'g(eng) Geology.	An. Chemistry. Biology. II.	An. Chemistry, Biology. II. Hebrew. II.
80PH	German, IV.	Mathematics. Cl.	Math. (sc. & eng).	Greek. French. IV.	Mech, Dr'w'g(eng) Biology. Sc.	.Latin. Mech.Dr'w'g(eng). Biology. Sc.
Fresh	German. IV.	, Geometry.	***************************************	Latin. French. IV.	M.D'w'g(so.ŋ)	
			FIFTH DA	AY.		
SENIOR	Greek. I. Latin.	9.30-10.30. French. I,	10.30-11.30.	11.30-12.30.	Biology, I. Physics.	3-4. Shop Work. Biology. I. Physics.
JUNIOR	Latin. German. IV.	Org. Chemistry. German. III. Latin.			Shop Work. French. III.	Political Economy. Shop Work. English.
	German, IV.	Math. (se. & eng).			***************************************	Greek. Trigonometry.
			SIXTH D	IY.		1140101111
SENIOR	8.30–9.30. Mathem'tics, I	9,30-10,30. English. I.	10.80-11.30. Mechanics. Greek. II. French. II.	11.30-12.30. French. I. German. II.	2–3. Shop Work. Biology. I. German. I.	3-4. Shop Work. Biology. I. Hebrew. I.
JUNIOR	Engineering. Hebrew, I.	English. I. El. Calculus.	English. II. Greek. II. French. II.	German, II.	Shop Work. French, III.	Astronomy. Political Economy. Shop Work.
<b>SOPH</b>	El. Physics.	History.	English. II.	Greek. German, IV.	El, Phys. (cl. & sc)	El. Phys.(cl. & sc).
Fresh		Geometry.	Letin.	German. IV.		Greek. Trigonometry.
		0.00 10.00	SEVENTH	DAY.		
SENIOR	Greek. I.	9,30–10,30. Mechanics, Hebrew, I.				
	Latin. History. Latin.	El. Calculus.				
BOPH Fresh	El. Physics. Geometry.	History. English.				

# COLLEGE WORK.

# PROGRAMME OF RECITATIONS

#### FOR THE

# SECOND HALF-YEAR, 1888-89.

			SECOND	DAY.			
SENIOR	8,30-9,30.	9.30–10.30. Scripture. Sc. Scripture. Cl.	10.30-11.30. German, I.	11.30–12.30, Paychology.	French. II,	3-4.	
Junior		Scripture. Sc. Scripture. Cl.	German. I.	Astronomy.	French. II.	French, III. Heat.	
FRESH	H Scripture.		Scripture.		***************************************	Greek. Hygiene.	
			THIRD I	DAY.			
SENIOR	8.30-9.30. History. Greek. I. Latin.	9.30-10.30, English, I,	10,30-11,30. Mechanics. Greek. II. French. II. English. II.	11.30-12.30, German. II, French. I,	2–3. An. Chemistry. Biology. II.	3-4. An. Chemistry. Biology. II.	
JUNIOR	History. Latin.	English, I. El. Calculus,	Greek, II.	German. II. German. III.	An Chemistry. Biology. II.	An. Chemistry. Biology. II.	
80PH	Engineering. Mathematics.	Shop Work (eng).	Shop Work (eng)	Shop Work (eng).		Latin. Biology. Sc. Drawing.	
FRESH,		French. IV.	Algebra.	Letin.	Mech. Drawing.	Greek. Mech. Drawing.	
			FOURTH	DAY.			
SENIOR	8.30-9.30, French. I. Math'matics.l	9.30-10.30. History, I.Greek, I. Latin.	10.30-11.30, German. II, Hebrew. I, Physics.	11.30-12.30, Physiology.	2–3. An. Chemistry. Biology. II.	3-4. An. Chemistry. Biology. II.	
JUNIOB	Drawing.	History. Latin.	Mech.Dr'w'g(eng German, II.		An. Chemistry. Biology, II.	An.Chemistry. Biology, II.	
80РН	German. IV.	Mech. Drawing. Mathematics.	El.Chemistry.	***************************************	Shop Work (eng). Biology. Sc.	Hebrew. II. Latin. Shop Work (eng). Biology. Sc.	
Presh	German. IV.	French. IV.	Algebra.	Latin.	Shop Work (eng).		
			FIFTH D	AV			
SENIOR	8.30-9.30. German, I.	9.30–10.30. Mechanics.	10.30-11.30.	11.30-12.30.	2–3. Shop Work. Biology. I. Physics.	3-4. Shop Work. Biology. I. Physics.	
JUNIOR	Greek. II. German, IV.	German. III, Math. (sc. & eng).			Shop Work. French, III.	Constitution'l Law. Shop Work. English.	
Fresh	German. IV.	Letin.			***************************************	Greek. Trigonometry.	
			EIVTU R	AV			
SENIOR	8.30–9.30. Mathem'tics,I	9,30-10,30. English, I.	SIXTH II 10.30-11.30. Mechanics. Greek, II. French. II.	11.30-12.30. French. I. German. II.	2-3. Shop Work. Biology. I. German. I.	3-4. Shop Work. Biology. I. Hebrew. I.	
JUNIOR	Engineering. Hebrew, I.	English, I. El. Calculus.	English. II. Greek. II. French. II. English. II.	German. II.	Shop Work.	Astronomy, Constitution'l Law, Shop Work.	
SOPH		Greek. German, IV.	History.	El. Chemistry.	El. Chemistry.	El. Chemistry.	
Fresh	French. IV.		Latin.	Greek. Trigonometry.		Algebra,	
			SEVENTH	DAY.			
SENIOR	8.30–9.30. History. Greek. I.	9.30-10.30. Mathematics. I. Hebrew. I.		. <del>-</del>			

JUNIOB...

SOPH..... Algebra.

# STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth-day in the Third, Sixth, Ninth, and Twelfth months.

## LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

#### FORM OF LEGACY.

	-devise (if real) to "The Corpora-
tion of Haverford College," the Sum	of
•••••	(or if real estate,
describe it)	to have
and to hold, to them, their successor	s and assigns, to the use of the said
" The Corporation of Haverford Co	llege," their successors and assigns.

# CIRCULAR.

# HAVERFORD COLLEGE

is situated on the Pennsylvania Railroad, nine miles from Philadelphia.

#### COURSES OF STUDY.

There are three regular courses given, of four years each.

I. COURSE IN ARTS AND SCIENCE, leading to the degree of Bachelor of Arts.

In this course Latin, Greek, and Mathematics are required through two years. French and German, Literature, History, Philosophy, Logic, Rhetoric, and the Sciences are embraced in the course. Partial election in all the courses during the last two years admits of concentration of efforts on one or more branches.

II. COURSE IN GENERAL SCIENCE AND LITERATURE, leading to the degree of Bachelor of Science.

Mathematics is required through three years, Latin through one year. Greek is not required at all. Particular attention is given to Modern Languages and to the Sciences. Courses I and II are both designed to give broad and general culture.

III. Course in Practical Science and Engineering, leading to the degree of Bachelor of Engineering.

Neither Latin nor Greek is required. The time thus gained is occupied by Mathematics, the Modern Languages, a certain amount of general culture, and work with Engineering instruments in machine shop, in the physical and chemical laboratories, and in the draughting rooms.

Note.—French and German are accepted in place of the Greek of Course I, and in place of the Latin of Course II.

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# REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

## Course I.

GREEK.—Grammar, four Books of the Anabasis, three Books of Homer, prose Composition.

LATIN.—Grammar, four Books of Cæsar, six Books of Vergil's Æneid, six Orations of Cicero, prose Composition.

MATHEMATICS.—Arithmetic, Algebra through Quadratic Equations, Plane Geometry.

English.—Grammar and Composition; Literature; Greek, Roman and United States History.

German and French as given under Course III will be accepted in place of Greek.

#### COURSE II.

LATIN.—As in Course I.

MATHEMATICS.—As in Course I, with the addition of the Theory and use of Logarithms.

English.—As in Course I.

Science.—The Elements of Physics and of Human Physiology.

German and French as given under Course III will be accepted in place of Latin.

## COURSE III.

MATHEMATICS.—As in Course II.

English.—As in Course I.

Science.—As in Course II.

GERMAN.—Grammar and Whitney's Reader, Boisen's German Prose, Schiller's "Wilhelm Tell," Storm's Immensee.

French.—Whitney's Grammar; De Rougemont's La France; Knapp's French Readings; Telemaque, three Books; Athalie.

Latin as in Course I will be accepted in Course III in place of German and French.

The object of the above requisites, in the different Courses, is to test the ability of the candidate to pursue the studies of the Freshman Class. Equivalents may be substituted for the books mentioned. Any candidate whose examination indicates ability to advance with his class, will be allowed to make up deficiencies by extra work after admission.

# SPECIAL ADVANTAGES.

Haverford differs from most colleges in the fact that the small number of students to which it is limited enables a large amount of individual care to be given. This care tells not only in the mental, but also in the physical and moral well-being of the students.

Physical development is promoted by the wholesome conditions of living in a country locality of acknowledged healthfulness; by the large and beautiful lawn of sixty acres, lying within a farm of about two hundred and fifteen acres, embracing grounds for cricket, football, baseball, and tennis, a running track, and a pond for skating; and by a careful personal examination of each student by a trained physician, who directs the gymnasium exercises. These exercises are required of members of the Freshmen and Sophomore Classes. It is our experience that, almost universally, the students improve in health during their college course.

The facilities for instruction embrace a Library of seventeen thousand volumes, to which the students have free access for several hours daily; an Astronomical Observatory, equipped with large instruments of various kinds, which are used for practical instruction; a Chemical Laboratory, with thirty-eight separate working tables and full apparatus for analytical work; a Physical Laboratory, containing electrical and other apparatus; a Biological Laboratory, equipped with microscopes and charts; a Machine Shop, with engine, lathes, and various tools; together with apparatus for surveying, etc.

The Professors have been employed with reference, not only to their scholarship, but also to their ability to teach and their general wholesome influence.

The moral standard is maintained by care in the admission of students and by the separation from the College of such as are believed to be immoral; and by the efforts of officers who acknowledge their responsibilities in this direction, and are willing to exert such influence and take such measures as may be necessary to secure a good moral tone,

## EXAMINATIONS FOR ADMISSION.

Examinations for admission will be held at the College on Sixth month 23d, 1890, at 9.30 A. M., and on Ninth month 16th, 1890, at 9.30 A. M. Applicants are advised to present themselves at the first date for examination, on at least part of the requirements.

The certificates of teachers of certain recognized schools will be accepted in place of examination, so far as they cover our requirements. Blank forms for such teachers to fill up will be forwarded on application. Certificates of private tutors will not be accepted.

# EXPENSES.

In the undergraduate department the usual charge for board and tuition is five hundred dollars. It may be twenty-five dollars in excess of this sum or one hundred and twenty-five dollars less it, depending on the location of the room. In addition, the average annual cost of washing is about eighteen dollars a year; of books and stationery, about twenty-five dollars; students in laboratories pay for breakage and materials consumed. These items are charged on the term bills, if desired.

Day students are charged one hundred and fifty dollars a year for tuition, and two hundred dollars for tuition and dinner. In case a day student has the full room accommodations of a boarder, he is charged full price, namely, five hundred dollars.

Rooms are assigned in Barclay Hall, in the case of new students, in the order of application. A student can have a single room, or, in conjunction with another, can occupy a suite, consisting of a study and two adjoining bedrooms.

In the graduate department the charge for tuition is one hundred dollars, and for board and tuition is three hundred dollars.

For entry blanks, catalogues, and information, address

THE PRESIDENT,

HAVERFORD COLLEGE,
PENNSYLVANIA.

# Haverford College Studies.

#### CONTENTS OF No. 1.

The Library of the Convent of the Holy Sepulchre at Jerusalem.

J. RENDEL HARRIS,

Work of Haverford College Observatory.

F. P. LEAVENWORTH.

On the Geometry of a Nodal Circular Cubic. Frank Morley.

On the Period of Rotation of the Sun.
HENRY CREW.

On the Symbolic Use of the Colors Black and White in Germanic Tradition.

FRANCIS B. GUMMERE.

#### CONTENTS OF No. 2.

The Rest of the Words of Baruch.

J. RENDEL HARRIS.

Some Esarhaddon Inscriptions. ROBERT W. ROGERS.

Price, One Dollar per Number.

Other numbers will appear as material accumulates. It is intended to issue Nos. 3 and 4 during the Collegiate Year 1889-90.

For copies address

The Secretary of Haverford College,

Haverford College P. O., Pa.



# HAVERFORD COLLEGE

1889-1890

# THE CORPORATION

OF



#### REPORTS OF THE

# BOARD OF MANAGERS PRESIDENT OF THE COLLEGE TREASURER OF THE CORPORATION

PRESENTED TO THE ANNUAL MEETING
TENTH MONTH 14TH, 1890.

PHILADELPHIA: PRINTED FOR THE COLLEGE 1890.

# CORPORATION.

PRESIDENT,
WISTAR MORRIS,
Wo. 200 South Third Street, Philadelphia.

SECRETARY,
ELLISTON P. MORRIS,
No. 21 North Seventh Street, Philadelphia.

TREASURER,
ASA S. WING,
No. 409 Chestnut Street, Philadelphia.

#### BOARD OF MANAGERS.

WISTAR MORRIS,
T. WISTAR BROWN,
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HOWARD COMFORT,
JUSTUS C. STRAWBRIDGE,
ASA S. WING,
ELLISTON P. MORRIS,
FRANCIS STOKES,
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ABRAM F. HUSTON,
J. PRESTON THOMAS,
WILLIAM H. HAINES,

WALTER WOOD.

WISTAR MORRIS, Chairman, No. 309 South Third Street. HOWARD COMFORT, Secretary, No. 539 Arch Street.

# STANDING COMMITTEES OF THE BOARD OF MANAGERS.

#### EXECUTIVE COMMITTEE.

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JUSTUS C. STRAWBRIDGE,
HOWARD COMFORT,
ASA S. WING,
RICHARD WOOD.

# COMMITTEE ON FINANCES AND INVESTMENTS.

CHARLES HARTSHORNE, T. WISTAR BROWN,

JOHN B. GARRETT,
BENJAMIN H. SHOEMAKER,
DAVID SCULL.

## COMMITTEE ON ACCOUNTS.

CHARLES ROBERTS, FRANCIS STOKES, RICHARD CADBURY, WALTER WOOD.

#### LIBRARY COMMITTEE.

RICHARD WOOD, PHILIP C. GARRETT, CHARLES ROBERTS, HOWARD COMFORT, JAMES WOOD, WALTER WOOD.

## COMMITTEE ON FARM AND DWELLINGS.

DAVID SCULL, ELLISTON P. MORRIS, FRANCIS STOKES,

ABRAM F. HUSTON, J. PRESTON THOMAS, WILLIAM H. HAINES,

ROBERT B. HAINES.

The Chairman of the Board of Managers is ex officio a member of all standing committees.

# FACULTY.

ISAAC SHARPLESS, Sc. D., LL. D., PRESIDENT,†
AND PROFESSOR OF ETHICS.

JOHN B. GARRETT, A. B., PRESIDENT PRO TEM.

ALLEN C. THOMAS, A. M., LIBRARIAN, AND PROFESSOR OF HISTORY AND POLITICAL ECONOMY.

LYMAN BEECHER HALL, Ph. D.,
JOHN FABRUM PROFESSOR OF CHEMISTRY.

SETH K. GIFFORD, A. M., PROFESSOR OF GREEK.

JAMES RENDEL HARRIS, A. M.,
PROFESSOR OF BIBLE LANGUAGES AND ECCLESIASTICAL HISTORY.

MYRON R. SANFORD, A. M., DEAN, and Professor of Latin.

LEVI TALBOT EDWARDS, A. M., PROFESSOR OF MECHANICAL ENGINEERING.

<sup>\*</sup> Arranged primarily as Professors, Lecturers, Instructors, etc., secondarily in the order of appointment.

<sup>†</sup> On leave of absence in Europe for the collegiate year, 1890-91.

WILLIAM COFFIN LADD, A. M., PROFESSOR OF FRENCH.

FRANCIS BARTON GUMMERE, Ph. D., PROFESSOR OF ENGLISH AND GERMAN.

> FRANK MORLEY, A. M., PROFESSOR OF MATHEMATICS.

FRANCIS P. LEAVENWORTH, A. M., DIRECTOR OF THE OBSERVATORY.

> HENRY CREW, Ph. D., Instructor in Physics.

WINFIELD SCOTT HALL, M. S., M. D.,

DAVID SCULL INSTRUCTOR IN BIOLOGY; INSTRUCTOR IN PHYSICAL TRAINING.

JOHN H. BECHTEL, INSTRUCTOR IN ELOCUTION.

LINDLEY MURRAY STEVENS, A. B.,
INSTRUCTOR IN MATHEMATICS.

JONATHAN MOWRY STEERE, A. B., SECRETARY OF THE COLLEGE.

CHARLES THURSTON COTTRELL, A. B.,
ASSISTANT IN THE LIBRARY.

#### VISITING COMMITTEES OF THE BOARD OF MANAGERS.

#### FROM NINTH MONTH TO TWELFTH MONTH VACATION.

HOWARD COMFORT, WISTAR MORRIS. T. WISTAR BROWN, JAMES WHITALL,

RICHARD WOOD, ROBERT B. HAINES, PHILIP C. GARRETT, JUSTUS C. STRAWBRIDGE,

ASA S. WING.

#### FROM TWELFTH MONTH VACATION TO FOURTH MONTH FIRST.

FRANCIS STOKES. FRANCIS STOKES,
ELLISTON P. MORRIS,
JAMES CAREY THOMAS, FRANCIS T. KING,

WILLIAM R. THURSTON. DAVID SCULL, CHARLES HARTSHORNE, JOHN B. GARRETT,

WILLIAM H. HAINES.

#### FROM FOURTH MONTH FIRST TO COMMENCEMENT.

CHARLES ROBERTS, EDWARD BETTLE, JR.,

BICHARD CADBURY,

ABRAM F. HUSTON,

J. PRESTON THOMAS

BENJAMIN H. SHOEMAKER, JAMES WOOD, J. PRESTON THOMAS,

WALTER WOOD.

#### REPORT OF THE BOARD OF MANAGERS TO

#### THE CORPORATION OF HAVERFORD COLLEGE.

#### 1890.

The Board of Managers report that at the Com-commencemencement Sixth month 24th, 1890, eleven Seniors green received the degree of Bachelor of Arts, eight the degree of Bachelor of Science, four the degree of Bachelor of Engineering, and fourteen resident graduates, who had taken special courses of study, were awarded the degree of Master of Arts. degree of Master of Arts was also given, on examination, to John Henry Allen, class of 1884, and to Barker Newhall, class of 1887. degree of Doctor of Philosophy was awarded, on examination, to Robert W. Rogers, A. B. degree of Doctor of Laws (LL. D.) was conferred upon Joseph John Mills, President of Earlham College, Indiana, in recognition of his ability as an educator, his skill as a teacher, and the wisdom and success with which he has administered his duties as President of Earlham College.

The present College year opened on Ninth month Attendance.

24th, 1890, with 101 students enrolled, classified as follows: Graduate students, 12; Seniors, 8;

Juniors, 26; Sophomores, 26; Freshmen, 29. Besides the Freshmen and Graduate students four students entered the College in the higher classes.

Instructors.

There has been no change in the Faculty during the past year. For the current year (1890-91) Lindley Murray Stevens, A. B. (Haverford College, 1889), has been appointed Instructor in Mathematics, and Jonathan Mowry Steere, A. B. (Haverford College, 1890), Secretary of the College. Charles Thurston Cottrell, A. B. (Haverford College, 1890), has been appointed assistant in the Library.

President Sharpless

President Sharpless having requested leave of absence for the College year 1890-91, in order that he might spend the time in study and investigation abroad, especially in England, the Board after carefully considering the matter decided to grant the request. He left the College with his family, soon after Commencement, and expects to return in the Eighth month, 1891. His duties as Professor have been assumed by other members of the Faculty, and the care of the discipline has been confided to Myron R. Sanford, with the title of Dean.

President pro tem. Our friend, John B. Garrett, at the unanimous request of his fellow-members of the Board, consented to accept the position of President pro tem. of the College, to act as its official head during the absence of President Sharpless. The arrangement has been very acceptable to the members of the Faculty and to the friends of the College.

The Board believes that the opportunity granted to President Sharpless will be fully improved by him and that the College will receive full and compensating benefits from his leave of absence. President Sharpless having been away from the College when his report, submitted herewith, was written, some particulars of College work are here given which are usually referred to by him. An import-New Mechanical ant addition to the facilities of the College has been tory. the erection of a Mechanical Laboratory for the use of the engineering department, presented to the College by the liberality of a few friends. It is of two stories, substantially built of frame, 30 feet wide by 60 long. The lower floor is divided into two principal rooms, one for iron-working tools exclusively, and the other for an iron and brass foundry. Two small rooms are partitioned off for tool-room and wash-room. In the second story are two large rooms, one for wood working and the other for draughting, and two small rooms, one of which is used for blue printing and the other is a stock-room. The old machine shop will be used as a forge-room and for storage purposes. building cost about \$2,075, and was built by day's work from designs by Professor Edwards, by which it is believed a considerable saving in cost was effected. A balance of some \$400 will be used in The building will furnish sufficient accommodations for our present number of students and for a considerable increase. It will enable the Professor to systematize the work and give efficient instruction in Mechanical engineering. The thanks of the Corporation are due to all those who have thus increased the facilities at our disposal, and the Board is especially gratified because it is an indorsement, and result, of the good work previously

done at the College, in this direction, with very limited means.

Physical

During the year, some valuable additions to the Physical Laboratory have been made in the department of electricity and mechanics. A fund of \$1,200 was subscribed by interested friends of the College to purchase instruments for this department, and was carefully expended by Professor Crew, with an eye both to the immediate needs of the laboratory and to future requirements. The acquisition of this apparatus, which is all of the first grade, will be of permanent value. The department is now well supplied with electrical standards and measuring instruments, and has a fair outfit for fundamental measurements mechanics. A number of commercial instruments have been purchased, with a view to making the instruction in electricity of more practical value. In an important and growing field, such as is covered by the department of physics, there is always room for additional equipment and the Board commends the subject to those who are interested in this department of the College.

Observatory. During the past year, the work of the Astronomical Observatory has been confined chiefly to measurements of stellar parallax and to the investigation of "personal error" found in the measurements. Several comet positions have also been determined, and on every clear day the number of sun spots counted. Three graduate students have done advanced work in the observatory besides the Senior elective.

Museum. The Museum has been carefully catalogued and

entirely rearranged and classified. No donations of importance have been received.

The Chemical Laboratory has been in useful and Chemical Laboratory. successful operation. The College classes have grown larger since the laboratory was equipped and it is now too small to accommodate the students properly. A Science Hall, for the use of the Chemical and Physical Laboratories, is very much needed.

The important department of physical training Physical Training. is believed to be in better condition than ever before. The instructor in charge of the department, Dr. W. S. Hall, has given careful and systematic attention to his work, and the results are beginning to show in the improved physical health of the students. His oversight over the games, and his final authority as to who shall take part in them, in cases of ill health rendering such participation unwise or unsafe, are most valuable. The Gymnasium has been improved by the addition of electric lights, and enlarged by the removal of a partition, and some new apparatus has been added. One of the needs of the College is a large and thoroughly equipped gymnasium building, containing besides gymnasium and other rooms for physical exercise, class-rooms and complete bathing facilities. A committee of the Alumni Association have this matter in charge and it is to be hoped that their efforts may be crowned with success.

The part of the College property fronting on the stone wall. Lancaster turnpike has been improved by the erection of a fine stone wall, the gift of Justus

C. Strawbridge. This wall matches the road entrance presented by him a few years ago, and adds greatly to the appearance and value of our grounds.

Library.

During the past year 539 volumes were added to the Library, exclusive of the Baur Library; of these 11 were received and exchanged for duplicates; 59 were bound periodicals, 206 were gifts and 263 were bought with the income of the Library fund, making the total number of volumes 17,990, exclusive of the Baur Library.

Baur Libra-

The largest single addition which the Library has ever received has been the acquisition during the past year of the Gustav Baur Library, due to the efforts of Professor J. Rendel Harris, and the liberality of friends of the College who promptly responded to his request for the necessary funds to buy the collection.

This library is the collection of a man of wide scholarly tastes, a minister of the Lutheran Church, and for a long time Professor of Theology in the . University at Leipsic, Germany. Primarily a theological collection, it is also rich in German literature both old and new, in history, in pedagogy, in Arabic, Syriac, Persian, and Italian literature. It contains about 7,000 volumes; there are, also, nearly as many pamphlets, some of which are very valuable. The efficiency of several of the College departments will be greatly helped by this acquisition. The bound volumes of the collection are now being classified and catalogued, and a separate card catalogue will also be prepared. Later, the pamphlets will be classified, bound, and indexed, and a card catalogue prepared. To accommodate this increase in the number of volumes, a double case of shelving, extending the whole length of the Library-room, has been placed on top of the alcoves on the western side of the building. There is pressing need for a similar improvement on the east side.

Walter Wood and J. Rendel Harris have given come to the College a valuable collection of Ethiopic, Syriac, Arabic, Hebrew, and Armenian manuscripts, about forty in number, secured by Professor Harris during his recent visit to the East.

This collection has been arranged in a glass case, and a catalogue thereof will appear in "Haverford College Studies," No. 4.

The Librarian has also received a small fund other Gine. given by three friends to be used in subscriptions to several mathematical journals, which were greatly needed by the Professor of Mathematics and students in his department.

The Library has been greatly benefited, from time to time, by gifts from friends of the College. In the absence of a sufficient Library Fund, such gifts are especially useful.

Our collection of early editions of Friends' books has come to us almost entirely in this way, and further additions to it must also come from donations. It is most desirable that our shelves should have a collection as complete as possible of the literature of our Society, so that students of the history of our Church and its doctrines can study them from original sources.

A thoughtful gift from a member of the Board has enabled the Professor of English and German to make some useful additions to the equipment of his department. Other gifts are duly recorded in the list appended to this report.

"Haverford Coilege Studies."

Studies" has just been issued and two more numbers are on the point of completion. It is safe to say that a great part of the work contained in these "Studies" is of permanent value, and the appreciation they meet with from scholars of other colleges and from the leading periodicals is an indication of success already achieved and an encouragement for further effort. The printing and illustration of these "Studies" has necessarily been an expensive matter; and the price fixed is so low that it is hardly to be expected that the undertaking should be immediately remunerative, but the small deficit involved can hardly be incurred in a better cause.

Financial.

The Treasurer's account and that of the Library fund are submitted with this report. The deficit reported last year has been increased and now amounts to \$24,668.00. The Board has taken this matter under serious consideration, and has adopted the recommendation of a Committee appointed to consider the subject and to report a plan of action. In accordance therewith, the Treasurer has made a careful estimate of the receipts and expenses for the College year 1890–91, and a Committee has been appointed by the Board to collect the amount of the deficiency thus shown. The Board is united in judgment that this course must be pursued each year, and any estimated deficiency provided for at once; the annual in-

crease of debt will thus be stopped and grave danger to the College averted.

The growth of the floating debt, during the past few years, has been a matter of deep concern to the Board, but in all other respects it feels satisfied that the College is in a healthy condition and deserving of the confidence and support which it is receiving from its friends.

An interesting feature of the work of the Board Professoral during the past year has been the adoption of a form of agreement under which one Professor has erected and five others are now erecting dwellings on the lawn at points designated by the Board for the purpose. The houses will probably all be finished and occupied before winter and promise to be an attractive feature on the campus. The benefit to the Professors of pleasant homes near to their work is an important matter, and an element of home life is thus added to the College which may be of great advantage to its students.

During the year, our friend William S. Taylor Resignatesigned from the Board on account of his removal to a distant city, and Walter Wood, of Philadelphia, was elected to fill the vacancy thus created.

The natural advantages of the College, in its large and admirably situated landed estate, are worthy of comparison with those of any institution of higher learning in this country. It remains for those interested in the welfare and growth of the College to add the equipment of buildings, of Libraries, of Laboratories, and of endowed Professorships and Scholarships which shall make Haverford College a shining centre of educational

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influence. The founders did their part in the selection and purchase of the land and its emconclusion bellishment with the best skill of the landscape gardener. Her academic groves are monuments to their liberality, and their confidence in the future of the institution they were founding. Their successors from decade to decade have given loyal service to the College in supporting it under all difficulties and ever keeping a high ideal before them, and it is for us and our successors to carry on the concern of the founders and to realize the hopes and aims of those who succeeded them. No higher interest can claim the consideration of immortal beings than the physical, intellectual, and religious training of the young, and the blessing of our Heavenly Father can be humbly, yet confidently, invoked upon all honest efforts in this direction.

By direction of the Board,
WISTAR MORRIS,
Preside

President.

HOWARD COMFORT, Secretary.

PHILADELPHIA, Tenth mo. 13th, 1890.

#### PRESIDENT'S REPORT.

To the Board of Managers of Haverford College:

The Collegiate year, 1889-90, has been on the college whole a successful one. The aggregate of useful 1889-90. work done by the students has probably never been exceeded. With some drawbacks, the positive influences for good have been more definite and effective than is often the case, and the Professors have been unsparing of time and energy in their devotion to the interests of the College.

The Graduate Students, while entailing on some Graduate officers much additional labor, have been an advantage to us and seem satisfied that their time has been profitably spent. The experience of the year convinces us that in our present situation the continuance of students in the College after graduation will only be profitable when they are thoroughly identified with the interests of the College, approve its general methods and plans, and have an earnest purpose to improve their opportunities.

An unfortunate friction between the two lower Rivalry beclasses has been manifested during the year. This two lower remnant of old customs, we had hoped, would have disappeared from Haverford before this time. Taking its origin in fagging, and continued on account of an objectionable forwardness

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often manifest in new students, its abuses far outweigh any slight advantages which have occasionally resulted from it. That these advantages may be otherwise secured, other Colleges have abundantly proved. It is often an unjustifiable invasion of the personal and property rights of the student. It intensifies class loyalty, which, while a good thing in its place, ought always to be swallowed up in a larger loyalty to the College as a whole, a loyalty which applauds every good thing done by a Haverfordian, whether professor or student, sophomore or freshman, and which would defend the rights of every one. As compared with some other institutions, its manifestations have been mild and no physical injury has resulted. The most potent factor in stopping the practice would be a positive adverse sentiment in the upper classes.\*

Scientific Departments equipped. It is satisfactory to record that the lack in equipment in the departments of physics and mechanics, spoken of a year ago, has been to a large extent remedied. The physical rooms have been supplied with new apparatus for the use of students, and a new building will give good opportunities for manual and mechanical education.

The Library. The other need spoken of, the deficiencies of the Library, has also been partly met. By the report of the librarian it will be seen that there has been an unprecedented increase in the number of books. This has mainly resulted from the purchase of the

<sup>\*</sup> Since the above was written I have heard with great satisfaction of the voluntary action of the Sophomore class in putting an end to the custom for this year. This is the best solution possible, and puts Haverford into line with the best College sentiment elsewhere.—[I. S.]

Baur Library, and has made the departments of which it treats comparatively rich. The same need as heretofore exists, however, for an appropriation available for the general uses of the Library. The sum of \$2,000 a year, in addition to the present income of the library fund, could be advantageously used.

Prizes for successful work are given in some Prizes. form in nearly all Schools and Colleges. Their uses are two-fold, viz.: They create an incentive to vigorous effort, and, when in a money form, are often a much-needed assistance to the recipient. The objection sometimes urged, that they supply the wrong motive to work, does not seem to be very serious. That the "Alumni prize for Elocution and Oratory" has stimulated efforts in the direction intended in some cases, is manifest to those who have watched its effects, and we hope still better results from the changes recently made in its rules. The greatest prize the College has to offer, the Haverford Fellowship, given on the recommendation of the Faculty to the most meritorious applicant from the graduating class, entitling him to a year's free board and tuition in the College, has been sought by several of our best students.

Hence it is with gratification that I view the Systematic establishment of the prizes for systematic reading announced at last Commencement. Nothing can be more demoralizing, intellectually if not morally, than the reading of the majority of pamphlets that young men find so plenteously spread before them on the news-stands.

But few things stand one in better stead in

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life than the habit of the perusal of profitable literature. It is a habit worth some effort to acquire, and if the prize will stimulate only two or three students a year to secure it, the money will be profitably spent.

rinciples Haver-

It is well for us who are charged with the administration of our important trust, to lift ourselves occasionally above the details of management, and consider the broad principles which the founders and benefactors of the College, our own sense of what is right, and the reasonable demands of our patrons impose upon us.

It is fortunate for us that there is no conflict between these three sources of guidance. foundations of Haverford were laid so broadly and wisely that they not only commend themselves to our judgments and consciences but also satisfy the solid requirements of the public.

The Ideal

The object we must work for is an institution so completely equipped in every respect that the conditions will be the most favorable possible for the highest expansion of the physical, social, intellectual, moral, and spiritual development of young It will be better to secure this highest development to a moderate number than sacrifice it to any extent in the ambition to make a large Col-Nevertheless if we can establish these conditions, the College will grow steadily, and there is no necessary limit to its size.

We want therefore to strain our resources to the utmost to accomplish this object, always looking at the quality of results first, and quantity afterwards.

Our Professors must be teachers and educators

in the fullest sense, not merely lecturers; not merely giving an opportunity to the student, but giving also incentive, direction, and advice, doing the best possible for every young man for whom the College assumes a responsibility. They must charge themselves with the encouragement of high intellectual aspirations, good mental habits, and a sound moral tone.

The temper of the College should be earnest, The College vigorous and liberal-leading the way in a prominent. advocacy of good things, and a thoughtful acceptance of advance truth-freeing itself alike from a tradition which hampers and from an irreverence which carelessly throws aside the conclusions of the past.

If a thoughtful parent were asked what he desired such a College as ours to do for his son, he would answer, that he desired for his body, wholesome living and scientific development; for his mind, sound knowledge, normal growth, and an inspiration that would last through life; for his associates, earnest, honest young men, of good manners and morals, who scorn all deceit by whatever name it may be called; for his Instructors, wise and great-souled men, who will be loved and respected, and by whose influence he will be molded through all his life.

This ideal is something to work towards.

But, above all, our College must retain its Religious religious basis. We must not relegate this to any secondary place. While great wisdom is needed to decide on the form in which it should express itself, we must take practical measures to encourage the substance. It is possible to have a College very useful, and very fair externally, which is wholly secular. I do not think Haverford should ever be allowed to become, by purpose or by drift, such a College.

Double Problem. In realizing this pervasive religious influence, we are but slightly, if at all, hampered by the simple forms of the Society of Friends, which lend themselves readily to the attempt to make religion spiritual rather than denominational. Nevertheless, we have a double problem to solve. In the first place, we should strengthen the loyalty and usefulness to our church of its own members who come under our influence, impressing them with its spirit and beliefs. In the second place, while not undermining the convictions which attach others to other churches, we must assist and deepen their spiritual growth and their interest in and knowledge of Christianity.

The practical means to take to solve at the same time and in the same community this double problem should be carefully considered.

ISAAC SHARPLESS.

CROYDON, ENGLAND, Ninth month 20th, 1890.

#### SUMMARY OF THE ACCOUNT OF THE

# TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE From Eighth mo. 31st, 1889, to Eighth mo. 30th, 1890.

#### RECEIPTS.

	hand, Eighth mo. 31st, 1889,		62
	Investments—General or Endowment Fund, . \$5,259 1		
16	" —Thomas P. Cope Fund, 207 3	_	
"	" —Edward Yarnall Fund, 249 6	1	
66	" —Library Fund, 554 9	Ð	
46	" —I. V. Williamson Fund, 995 0	8	
"	" —John Farnum Memorial Fund, . 1,286 2	4	
"	" —David Scull Fund, 1,774 0	0	
"	" —Richard T. Jones Fund, 220 5	0	
"	" -Edward L. Scull Fund, 423 3	1	
	Special Fund, 30 2	8	
		- 11,000	43
Rents	• • • • • • • • • • • • • • • • • • • •	1.952	ω
Income credi	ited to Principal for Contingent Account,		
	Suition, cash, \$33,962 5		U1
"	" scholarships, 9,420 5		
		- <b>43,383</b>	00
Roard of Pr	rofessors,	1,739	55
		2,222	
		581	
• •		292	
• •		8,690	
•	• • • • • • • • • • • • • • • • • • • •	177	
	previous year's accounts,		
	For scholarships and fellowships, \$8,375 0		•
u u	" apparatus for Department of Physics, 1,195 0		
u	" "Haverford College Studies," 230 0		
"	" the Baur Library 2,175 0	•	
u	" New Machine Shop and Equipment, 2,526 0		
"	" other special purposes, 1,312 7		
		- 15,81 <b>8</b>	70
Money horro	owed,	9.100	00
Investments	paid off or sold for account of various funds,		
	Luma on at ania tax manages at tentam seemed		<del></del>
	•	118,423	28

#### PAYMENTS.

Salaries,	\$29,472 05
Provisions,	15,014 10
Wages,	5,597 08
Family expenses and furniture,	2,876 23
Fuel and lights,	2,375 56
Lawn and garden,	1,987 41
Farm,	5,339 83
Laboratories,	761 <b>40</b>
Observatory,	8 75
Laundry,	841 75
Stationery,	2,038 32
Printing and advertising,	259 35
Machine shop and drawing-room,	350 <b>99</b>
Incidentals,	840 07
Insurance,	42 13
Taxes,	1,557 69
Interest,	1,844 77
Repairs and improvements,	4,218 94
Treasurer of the Library Fund,	554 99
•	
T	<b>\$</b> 75,981 41
Expenses for previous years,	762 92
Scholarships, charged to General Fund, \$1,000 00  "I. V. Williamson Fund, 900 00	
" Thos. P. Cope Fund, 200 00	
" Edward Yarnall Fund, 200 00	
" Richard T. Jones Fund, 220 50	
" special contributions, 6,900 00	
special contributions, 0,900 00	9,420 50
Appropriations paid from income Edward L. Scull Legacy, besides	
\$422.80 included above in current expenses,	200 00
Paid out of special donations for Baur Library (of which	
\$345.22 was charged to Income of General Fund), \$2,520 22	
Paid out of special donation for New Machine Shop, 1,406 05	
" " Stone Wall, 747 20	
" " apparatus for Depart-	
ment of Physics, 619 86	
" " other purposes, 510 05	
	5,803 38
Loans paid,	2,000 00
Principal invested for account of various funds,	23,734 02
Balance on hand Eighth mo. 30th, 1890,	,
" in hands of the Treasurer, 504 80	•
" " President, 16 25	
	<b>521 05</b>
	521 05 \$118,423 28

#### TREASURER'S REPORT.

#### THOMAS P. COPE FUND.

#### FOUNDED 1842.

Par value of Invested Funds,		
Total fund,	5,080 247	
Paid for the Thomas P. Cope Scholarship,	200	
Balance on hand at end of year,	<b>\$4</b> 7	90
GENERAL OR ENDOWMENT FUND.		
ESTABLISHED 1847.		
Par value of Invested Funds,		
Total fund,	3.401	16
·	5,259	
Paid for Scholarships,	-,	
" " Balance on Baur Library,		
" " General College Expenses, 3,913 88		
	5,259	10
LIBRARY FUND.		
ESTABLISHED BY THE ALUMNI ASSOCIATION, 1863.		
Par value of Invested Funds,		
Principal uninvested,		
Total fund,	•	
Income received during the year,	554	
Paid to the Treasurer of the Library Fund,	554	99
EDWARD YARNALL FUND.		
FOUNDED 1860.		
Par value of Invested Funds,		
Less amount of principal over-invested,		
Total fund,	5,211	50
Income on hand at beginning of year, \$70 37		
" received during the year, 249 61	010	••
Paid for the Edward Yarnall Scholarship,	319 200	
Balance on hand at end of the year,	119	98

#### ISAIAH V. WILLIAMSON FUND.

#### FOUNDED 1876 AND INCREASED 1883.

Par value of Invested Funds, \$19,478 66  Less amount of principal over-invested, 42 52		
Total fund,		
Paid for I. V. Williamson Scholarships,	1,118 <b>2</b> 5 <b>90</b> 0 <b>0</b> 0	
Balance on hand at end of year,	\$218 25	,
JOHN FARNUM MEMORIAL FUND.		
ESTABLISHED 1878.		
Par value of the Fund, all invested,	<b>\$26,250 00</b>	
Income received during the year,		
Paid toward salary of the John Farnum Professor of Chemistry,	1,286 24	;
EDWARD L. SCULL LEGACY.		
RECEIVED IN 1885.		
Par value of Invested Funds,		
Total fund,	\$10,331 30	
Income on hand at beginning of the year, 199 49	••••	
" received during the year, 423 31		
	622 80	)
Appropriated for Salaries,		
Appropriated for Lectures,	622 80	)
DAVID SCULL FUND.		
FOUNDED 1885.		
Par value of Invested Funds,		
Principal uninvested,		
Total fund,	\$34,225 73	
Income received during the year,	1,774 00	
Biology,		
Paid toward salary of another Professor, 150 00		
" apparatus, etc., in Biological Laboratory, 124 00		
	\$1,774 00	

#### RICHARD T. JONES SCHOLARSHIP FUND.

FOUNDED BY WILL OF JACOB P. JONES, 1886.

Par value of the Fund, all invested,									<b>\$</b> 5,000 00
Income received during the year,									220 50
Paid for the Richard T. Jones Scholarship,	•			•	•	•	•	•	220 50

#### SUMMARY OF THE FUNDS.

General or Endowment Fund,
Isaiah V. Williamson Fund, 19,436 14
John Farnum Memorial Fund, 26,250 00
Library Fund,
Thomas P. Cope Fund, 5,080 82
Edward Yarnall Fund, 5,211 50
David Scull Fund,
Richard T. Jones Scholarship Fund, 5,000 00
Edward L. Scull Legacy, 10,331 80
Total, par value,

Being \$1,347.00 (\$1,242.00 from Contingent Account and \$105 from purchase of securities below par) more than reported a year ago, exclusive of the Special Fund.

#### SPECIAL FUND.

This Fund is made up of money donated for special purposes and now awaiting application thereto, as follows:

application increte, as lone as:					
For Scholarships and Fellowships,				\$4,025 00	1
For new Machine Shop and Equipment,				1,119 95	
For the Lawn,				153 68	<b>;</b>
For Books for Dept. of Physics,				5 72	}
For Apparatus " "				575 14	
For John B. Garrett Prize for Reading,				200 00	
For Plumbing at Barclay Hall,				250 00	
For Interest,				30 26	}
					- \$6,859 75

We have examined the account of Asa S. Wing, Treasurer, for the year ending Eighth mo. 30th, 1890, of which the foregoing is a summary, comparing the payments with his vouchers therefor, and find the same to be correct, there being a balance in his hands of \$504.80.

{Signed} EDWARD BETTLE, JR., WALTER WOOD.

PHILADELPHIA, Ninth mo. 10th, 1890.

We have examined the securities belonging to the Corporation of Haverford College and find them to agree with the foregoing Statement of the Treasurer.

{Signed} RICHARD CADBURY, WILLIAM H. HAINES.

PHILADELPHIA, Tenth mo. 3d, 1890.

# REPORT OF CHARLES ROBERTS, TREASURER OF HAVERFORD COLLEGE LIBRARY COMMITTEE. FOR YEAR ENDING 10th MONTH 18th, 1890.

#### RECEIPTS.

Balance 10th mo. 5th, 1889,	628 49 2 54							
PAYMENTS.								
Books and Periodicals,								
Labels, Expressage, etc.,	12 40							
Balance 10 mo. 13th, 1890,	223 32 \$866 <b>69</b>							
Examined and found correct, Tenth mo. 13th, 1890.	(Signed) RICHARD WOOD.							

# LIST OF GIFTS TO THE COLLEGE LIBRARY. FOR YEAR ENDING 9th MONTH 30th, 1890.

From D. C. Thomas' estate, through R. G. Wood, 43 vols.; George Vaux, Jr., 38 vols.; U. S. Government Dept., 19 vols.; Howard Comfort, 10 vols.; Sarah T. Hilles, 9 vols.; second Geological Survey, Pa., 9 vols.; A. C. Thomas, 6 vols.; Baur Library, 6 vols.; Smithsonian Institute, 5 vols.; Alden Sampson, 3 vols.; Anonymous, 4 vols.; Samuel Biddle, 8 vols. Boston & Maine R. R., Editors Haverfordian, H. S. England, Everett-Athenseum, Friends in N. Y., D. R. Goodwin, J. N. Guss, Miss Harris, Chas. Hartshorne, H. Hartshorne, A. J. Matthews, D. A. McKnight, J. B. Miller, Peabody Institute, Secretary of Commonwealth, Secretary of Ohio State Forestry Bureau, Isaac Sharpless, A. W. Slocum, State Board of Arbitration, State Department, State Geologist, R. M. Thomas, University of California, Anna Wendell, Edward M. Wistar, Charles Wood, and other friends, one vol. each.

#### ORDER OF THE EXERCISES OF THE JUNIOR CLASS.

FOURTH DAY, FOURTH MONTH 16TH, 1890.

"GEORGE STEPHENSON,"

D. L. MEKEEL,

Yorktown Heights, N. Y.

"THE NEGRO QUESTION,"

D. H. BLAIR,

High Point, N. C.

"GUSTAVUS ADOLPHUS,"

HARRY ALGER,

Newport, R. I.

" ALEXANDER HAMILTON,"

HENRY A. TODD,

Salem, Mass.

" CONGRESS TO-DAY AND CONGRESS FIFTY YEARS AGO," W. W. HANDY,

Baltimore, Md.

"A PIONEER OF PROFESSIONAL LITERATURE,"

GEORGE THOMAS,

Whitford, Pa.

#### ORDER OF EXERCISES AT COMMENCEMENT.

#### SIXTH MONTH 24TH, 1890.

INTRODUCTORY REMARKS,

PRESIDENT SHARPLESS.

MASTER'S ORATION,

CHARLES HENRY BURR, JR., Philadelphia, Pa.

"THE WAGES OF ART,"

EDWARD MOTT ANGELL,

Glenn's Falls, N. Y.

"RAILROADS AS A FACTOR IN WESTERN DEVELOPMENT,"

John F. Taylor Lewis,

Broomall, Pa.

"THE FRIARS AND THE TOWNS,"

THOMAS STORY KIRKBRIDE,

Philadelphia, Pa.

"CULTURE AND SOCIALISM,"

HENRY LEE GILBERT,

Philadelphia, Pa.

BACCALAUREATE ADDRESS.
BY JOHN B. GARRETT.

CONFERRING OF DEGREES, BY PRESIDENT SHARPLESS.

SENIOR GRADUATING WITH FIRST HONORS:

JOHN F. TAYLOR LEWIS.

#### **DEGREES**

#### CONFERRED AT THE COMMENCEMENT IN 1890.

#### DOCTOR OF PHILOSOPHY. ROBERT WILLIAM ROGERS.

#### MASTER OF ARTS.

JOHN H. ALLEN, Haverford, 1884.

BARKER NEWHALL, Haverford, 1887. CHARLES H. BURK, Jr., Haverford, 1889. FRANK W. PEIRSON, Haverford, 1889. WILLIAM R. DUNTON, Haverford, 1889. CHARLES E. PRITCHARD, Earlham, 1889. WILLIAM B. EATON, Wesleyan, 1889. WILLIAM C. SAYRS, Wilmington, 1889. HOWELL S. ENGLAND, Haverford, 1888. CHARLES E. TERRELL, Wilmington, 1888. ARTHUR W. JONES, Haverford, 1885. FRANK E. THOMPSON, Haverford, 1889. CHARLES H. THURBER, Cornell, 1886. FREDERICK N. VAIL, Haverford, 1889.

#### **BACHELOR OF ARTS.**

JAY HOWE ADAMS, Class 1887. EDWARD MOTT ANGELL, EDWARD MOTT ANGELL,

JAMES STUART AUCHINCLOSS,

WM. GRATTAN AUDENREID, Jr.,

HENRY RYAN BRINGHURST, Jr.,

THOMAS STORY KIRKBRIDE, CHARLES THURSTON COTTRELL, JONATHAN MOWRY STEERE.

GUY HULETT DAVIES, ROBERT EASTBURN FOX,

#### BACHELOR OF SCIENCE.

THOMAS AMORY COFFIN, PERCY SMEDLEY DARLINGTON, JOHN NOBLE GUSS,

EDWIN JAMES HALEY, DILWORTH P. HIBBERD, WILLIAM MOORE GUILFORD, JR., ROBERT RICHARDSON TATNALL, ALFRED COLLINS TEVIS.

#### BACHELOR OF ENGINEERING.

JOHN F. TAYLOR LEWIS, EDW'D RHOADS LONGSTRETH,

WILLIAM PERCY SIMPSON, ERNEST FORSTER WALTON.

The degree of Doctor of Laws was bestowed honoris causa on JOSEPH JOHN MILLS.

#### HAVERFORD COLLEGE.

### PROGRAMME OF RECITATIONS

#### FOR THE

#### FIRST HALF-YEAR, 1889-90.

SENIOR	8,30-9,30.	9,30–10.80, Scripture, Greek. II.	SECOND ( 10.30–11.30, Scripture, Cl. Engineering. Scripture, Cl.	DAY. 11.30–12.30. English. I. French. I. French. II.	1,30-2-3. Civil Engineering Shop Work	3-4. r.History. I. Shop Work
JUNIOR		Scripture, Greek. II.	Scripture. Či. Engineering.	Calculus.	French. III.	Org. Chemistry.
80PH		Scripture.	******	Greek. French. II.	Shop Work.	German. IV. Shop Work. Letin.
FRESH		Scripture, Sc.	Scripture. Cl.		Physiology.	German. IV.
			THIRD D			
SENIOR	8.30-9.30. German, II. Mechanics. Physics. German, II.	Latin. German, I. Mech, Drawing.	10.30-11.30, English, II. History, II, Mech. Drawing, Political Economy	······································	Civil Engineering	Biology. An. Chemistry.
JUNIOR	French, III. Latin.	Latin. Mech. Drawing.	Mech. Drawing. French. IV.	Mech. Drawing.	An Chemistry	An. Chemistry.
SOPH	German. II.	Mathematics. Sc.	Mathematics. Cl.	El. Physics. Greek.	Biology. Sc. El. Physics. Cl. Mech. Dr'g (Eng).	El, Physics. Cl. Mech, Dr'g (Eng).
FRESH		Geometry.	French. IV.	Trigonometry.	M. D'g (8c. & Eng)	. M. D'g (Sc. & Eng).
			FOURTH I	DAY.		
SENIOR	8.30-9.30. German, II. Physics. Mechanics.	9.30-10.30, Greek. I, German. I, Astronomy.	10,30-11,30. Latin. French. I. Latin.	11.30-12.30. English. I. French. II. French. II.	1.80-2-3. An. Chemistry.	3-4. Mathematics. I. History. II. An. Chemistry. Mathem'tics. I
JUNIOB				Calculus.	An. Chemistry.	An. Chemistry.
80PH			El. Physics.	French. II.	Biology. Sc.	English. Greek.
WD WOLL	Garman IV	Latin.	Dhysiology		M Dia/Se A Fres	
BESH	Colman. IV.	A-04141.	A My Saturogy.		M. D g (oc. & Bug).	A. DE (CC. C. C.
J. Madda	German. 1v.		FIFTH D		m. D g (oc. & nug).	
SENIOR	8.30-9.30, Hebrew. Latin. French. I.	9.30-10.30, Logic, Engineering, Logic,		AY.	1.30-2-3. Physics. Shop Work.	3-4. History, I. Physics. Shop Work.
SENIOB	8.30-9.30. Hebrew. Latin. French. I. Latin.	9.30-10.30. Logic. Engineering.	FIFTH D	AY.	1.30-2-3. Physics. Shop Work.	3-4. History, I. Physics. Shop Work. Org. Chemistry. German, IV.
SENIOB JUNIOR SOPH	8.30-9.30, Hebrew. Latin. French. I. Latin. French. I. German. IV.	9.30-10.30. Logic, Engineering, Logic, Engineering.	FIFTH D	AY.	1.30-2-3. Physics. Shop Work.	3-4. History, I, Physics. Shop Work. Org. Chemistry.
SENIOB JUNIOR SOPH	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV	9.30-10.30. Logic, Engineering, Logic, Engineering.	FIFTH D	AY.	1.30-2-3. Physics. Shop Work.	3-4. History, I. Physics. Shop Work. Org. Chemistry. German. IV. Mathematics. C.
SENIOB JUNIOR SOPH	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV. Greek. German. IV.	9.30-10.30. Logic, Engineering. Logic. Engineering. Engineering.  English. Geometry.	FIFTH D. 10.30-11.30.	AY. 11.30-12.30.	1.30-2-3. Physics. Shop Work.  French. III. Shop Work.	3-4. History, I. Physica. Shop Work. Org. Chemistry. German. IV. Mathematica. C. Shop Work. English.
SENIOB JUNIOR SOPH	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV. German. IV. 8.30-9.30.	9.30-10.30. Logic, Engineering. Logic. Engineering.  English. Geometry.	FIFTH D/ 10.30-11.30.	AY. 11.30–12.30.	1.30-2-3. Physics. Shop Work.  French. III. Shop Work.	3-4. History. I. Physics. Shop Work. Org. Chemistry. German. IV. Mathematics. G. Shop Work.
SENIOR JUNIOR SOPH PRESH	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV. German. IV. 8.30-9.30. German. II. Mechanics.	9.30-10.30. Logic. Engineering. Logic. Engineering. English. Geometry.  9.30-10,30. Greek. I. German. I. French. II. French. II. Calculus.	SIXTH D/ 10,30-11,30. Sixth D/ 10,30-11,30. Ethics.	AY.  11.30-12.30.  AY.  11.30-12.30. English. II. History. II. Political Economy Shop Work.	1.30-2-3. Physics. Shop Work.  French. III. Shop Work.  1.30-2-3. Elecution. Biology. Elecution. Shop Work.	3-4. History, I. Physica. Shop Work. Org. Chemistry. German. IV. Mathematica. Cl. Shop Work. English.  3-4. French, I. Biology.
SENIOR  JUNIOR  SOPH  FRESH  SENIOR	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV. Greek. German. IV. 8.30-9.30. German. II. Mechanics.	9.30-10.30. Logic. Engineering. Logic. Engineering. English. Geometry.  9.30-10,30. Greek. I. German. I. French. II. French. III. Calculus.	\$IXTH D.  10.30-11.30.  \$IXTH D.  10.30-11.30.  Ethics.  Shop Work.	AY.  11.30-12.30.  AY.  11.30-12.30. English II. History II. Political Economy Shop Work. Latin.	1.30-2-3. Physics. Shop Work.  French. III. Shop Work.  1.30-2-3. Elocution. Biology. Elocution.	3-4. History, I. Physica. Shop Work. Org. Chemistry. German. IV. Mathematica. C. Shop Work. English.  3-4. French. I. Biology. French. I. Shop Work.
SENIOB  JUNIOR  SOPH  PRESH  SENIOR  JUNIOB  SOPH	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV. Greek. German. IV.  8.30-9.30. German. II. Mechanics.  German. II. French. IV.	9.30-10.30. Logic. Engineering. Logic. Engineering. English. Geometry.  9.30-10,30. Greek. I. German. I. French. II. French. III. Calculus.	SIXTH D/ 10.30-11.30. Sixth D/ 10.30-11.30. Ethics. Shop Work.	AY.  11.30-12.30.  AY.  11.30-12.30. English. II. History. II. Political Economy Shop Work. Latin. Math. (Se. & Eng).	1.30-2-3. Physics. Shop Work.  French. III. Shop Work.  1.30-2-3. Elocution. Biology. Elocution. Shop Work. Mathematics. Cl.	3-4. History, I. Physics. Shop Work. Org. Chemistry. German. IV. Mathematics. G. Shop Work. English.  3-4. French. I. Biology. French. I. Shop Work. E.Phy.(G. & Engl.
SENIOB  JUNIOR  SOPH  PRESH  SENIOR  JUNIOB  SOPH	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV. Greek. German. IV.  8.30-9.30. German. II. Mechanics. German. II. French. IV. French. IV.  8.30-9.30. Greek. II.	9.30-10.30. Logic, Engineering. Logic. Engineering. English. Geometry.  9.30-10.30. Greek. I. German. I. French. II. French. III. Calculus. French. III.	SIXTH D/ 10.30-11.30. Sixth D/ 10.30-11.30. Ethics. Shop Work.	AY.  11.30-12.30.  AY.  11.30-12.30. English. II. History. II. Political Economy Shop Work. Latin. Math. (Se. & Eng). Geometry.	1.30-2-3. Physics. Shop Work.  French. III. Shop Work.  1.30-2-3. Elecution. Biology. Elecution. Shop Work. Mathematics. Cl. E. Phy. (Cl. & Eng.)	3-4. History, I. Physics. Shop Work. Org. Chemistry. German. IV. Mathematics. G. Shop Work. English.  3-4. French. I. Biology. French. I. Shop Work. E.Phy.(G. & Engl.
SENIOB  JUNIOR  SOPH  FRESH  JUNIOR  SOPH  FRESH  **TRESH	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV. Greek. German. IV.  8.30-9.30. German. II. Mechanics.  German. II. French. IV.  French. IV.  8.30-9.30. Greek. II. Math. I. Greek. II. Greek. II.	9.30-10.30. Logic. Engineering. Logic. Engineering. English. Geometry.  9.30-10.30. Greek. I. German. I. French. III. French. III. Oalculus. French. III.  9.30-10.30. Logic.	SIXTH D. 10.30-11.30.  SIXTH D. 10.30-11.30.  Ethics.  Shop Work.  El. Physics. Greek. Trigonometry.	AY.  11.30-12.30.  AY.  11.30-12.30. English. II. History. II. Political Economy Shop Work. Latin. Math. (Se. & Eng). Geometry.	1.30-2-3. Physics. Shop Work.  French. III. Shop Work.  1.30-2-3. Elecution. Biology. Elecution. Shop Work. Mathematics. Cl. E. Phy. (Cl. & Eng.)	3-4. History, I. Physics. Shop Work. Org. Chemistry. German. IV. Mathematics. G. Shop Work. English.  3-4. French. I. Biology. French. I. Shop Work. E.Phy.(G. & Engl.
SENIOR  JUNIOR  SOPH  FRESH  JUNIOR  SOPH  FRESH  JUNIOR  JUNIOR	8.30-9.30. Hebrew. Latin. French. I. Latin. French. I. German. IV. Greek. German. IV.  8.30-9.30. German. II. Mechanics.  German. II. French. IV.  French. IV.  8.30-9.30. Greek. II. Math. I. Greek. II. Math. I.	9.30-10.30. Logic. Engineering. Logic. Engineering. Engineering. English. Geometry.  9.30-10,30. Greek. I. German. I. French. III. French. III. 9.30-10.30.	SIXTH D. 10.30-11.30.  SIXTH D. 10.30-11.30. Ethics.  Shop Work. El. Physics. Greek. Trigonometry. SEVENTH	AY.  11.30-12.30.  AY.  11.30-12.30. English. II. History. II. Political Economy Shop Work. Latin. Math. (Se. & Eng). Geometry.	1.30-2-3. Physics. Shop Work.  French. III. Shop Work.  1.30-2-3. Elecution. Biology. Elecution. Shop Work. Mathematics. Cl. E. Phy. (Cl. & Eng.)	3-4. History, I. Physics. Shop Work. Org. Chemistry. German. IV. Mathematics. G. Shop Work. English.  3-4. French. I. Biology. French. I. Shop Work. E.Phy.(G. & Engl.

#### COLLEGE WORK.

#### PROGRAMME OF RECITATIONS

FOR THE

#### SECOND HALF-YEAR, 1889-90.

	8,30-9,30,	9.30-10.30.	SECOND I 10.30-11.30.	11.30-12.30.	1,30-2-3.	3-4.
SENIOR		Scripture Sc. Greek. II.	Scripture Cl. Engineering	English. I. French. II. French. II.	Shop Work.	History, I. Shop Work.
JUNIOR		Scripture. Sc. Greek. II.	Scripture. Cl. Engineering.	French. II. Calculus. Greek.	French. III.	Physics. Latin.
SOPH FRESH		Scripture. Scripture. Sc.	Scrip're (Sc. & Eng	French. II.	Shop Work. Botany. Sc.	Shop Work. Knglish.
			THIRD D	AY.		
SENIOR	8.30-9.30, German. II, Mechanics. German. II.	Latin. German. I. Mech. Drawing.	10,30-11.30. English. II. History. II. Mech. Drawing.	11.30–12.30, Ethics.	1.30-2-3. Mathematics. I. An. Chemistry. Biology.	History. II. An.Chemistry.
JUNIOB	Latin.	Latin, I. Mech. Drawing.	Mech. Drawing.	Mech. Drawing.	An. Chemistry. Biology.	Greek, II, An. Chemistry,
80PH	German. II. German. III	French. IV.	An. Geometry.	El. Chemistry.	***************************************	Biology. Sc. Mech. Dr'g (Eng) Greek.
FRESH	German. IV.	French. IV.	Latin.	Algebra.	M.D'g (Sc. & Eng	M.D'g (Sc. & Eng).
			FOURTH (	DAY.		
SENIOR	8.30-9.30. German II, Mechanics. German, II.	German. I.	10.30-11.30. Latin. French. I. Latin.	11.30-12.30. English. I. French. II. French. II.	1.30-2-3. An Chemistry.	An. Chemistry.
JUNIOR		German. III.	French. I.	Calculus.	An. Chemistry.	An. Chemistry.
80PH		.French. IV.	El. Chemistry.	French. II.	Shop W'k (Eng).	
Fresh	German. IV.	French. IV.	Algebra.	Botany.	Surveying. Sc.	Surveying.
			FIFTH DA	AY.		
SENIOR	8.30-9 30. Psychology. Engineering. Psychology.	9.30-10.30. Hebrew. Latin. French. I. Latin.	10.30-11.30.	11.30-12,30.	1.30-2-3. Shop Work.	3-4. Shop Work.
JUNIOB	Engineering.				French. III. French. III.	Physics. History.
FRESH	An. Geometry Latin.	Greek. Mechanics.			Shop Work.	Shop Work. Algebra.
			SIXTH D			
SENIOB	8.30-9.30. German. II. Mechanics. German. II.	German, I.	10.30-11.30. English. II. History. II. Constitution'l Law	11.30–12.30. Ethics.	1.30-2-3. Elecution, Biology, Elecution.	3-4. French. I. History. I. Biology. French. I.
JUNIOB	German. III. German. II.		Shop Work.	Shop Work.	Shop Work.	Shop Work.
H408	German. IV. German. IV.	Latin.	An. Geometry. Greek.	El. Chemistry.	El. Chemistry.	El. Chemistry.
FBRSH		French. II.	Mechanics.			Algebra,
			SEVENTH	DAY.		
SENIOR	8.30-9.30, Greek. II. Math'matics.l	9,30–10.30. Psychology. I.				

8.30-9.30. 9.30-10.30.

SENIOR... Greek. II. Psychology.
Math matics. I. Greek. 1I.
JUNIOB... Math matics. I. Psychology.
Greek.
SOPH..... History. French. IV.
FRESH... Latin.

# LECTURES AT HAVERFORD COLLEGE, 1889-90.

D. HAYES AGNEW, OF PHILADELPHIA.
Third Day, 2d mo. 25th, 1890,
WILLIAM T. HARRIS, OF WASHINGTON, D. C.
United States Commissioner of Education.
Third Day, 3d mo. 11th, 1890
EDUCATION AS A PROFESSION.
****
CHARLES E. FITCH, OF BOCHESTER, N. Y.
LATE LECTURER ON JOURNALISM IN CORNELL UNIVERSITY.  EDITOR OF THE ROCHESTER Democrat and Chronicle.
Sixth Day, 3d mo. 14th, 1890,
JOURNALISM
HJALMAR HJORTH BOYESEN, OF NEW YORK.
Professor of the German Language and Literature, Columbia College.
Third Day, 3d mo. 25th, 1890,
RUSSIAN NOVELISTS AND NIHILISTS

# STATED MEETINGS OF THE CORPORATION AND OF THE MANAGERS.

The Annual meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the first Sixth-day in the Third, Sixth, Ninth, and Twelfth months.

#### LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

#### FORM OF LEGACY.

I give and bequeath (if personal)—devise (if real) to "The Cor					
tion of Haverford College," the sum of					
••••••	(or if real estate				
describe it)	to have				
and to hold, to them, their successors and	l assigns, to the use of the said				
"The Corporation of Haverford College,"	' their successors and assigns.				

#### CIRCULAR.

#### HAVERFORD COLLEGE

is situated on the Pennsylvania Railroad, nine miles from Philadelphia.

#### COURSES OF STUDY.

There are three regular courses given, of four years each.

I. Course in Arts and Science, leading to the degree of Bachelor of Arts.

In this course Latin, Greek, and Mathematics are required through two years. French and German, Literature, History, Philosophy, Logic, Rhetoric, and the Sciences are embraced in the course. Partial election in all the courses during the last two years admits of concentration of efforts on one or more branches.

II. Course in General Science and Literature, leading to the degree of Bachelor of Science.

Mathematics is required through three years, Latin through one year. Greek is not required at all. Particular attention is given to Modern Languages and to the Sciences. Courses I and II are both designed to give broad and general culture.

III. Course in Practical Science and Engineering, leading to the degree of Bachelor of Science.

Neither Latin nor Greek is required. The time thus gained is occupied by Mathematics, the Modern Languages, a certain amount of general culture, and work with Engineering instruments in the Mechanical Laboratory, in the Physical and Chemical laboratories, and in the Draughting rooms.

Note.—French and German are accepted in place of the Greek of Course I, and in place of the Latin of Course II.

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#### REQUISITES FOR ADMISSION TO THE FRESHMAN CLASS.

#### COURSE I.

GREEK.—Grammar, four books of the Anabasis, three books of Homer, Prose Composition.

LATIN.—Grammar, four books of Cæsar, six books of Vergil's Æneid, six Orations of Cicero, Prose Composition.

MATHEMATICS.—Arithmetic, Algebra through Quadratic Equations, Plane Geometry.

ENGLISH.—Grammar and Composition; Literature; Greek, Roman and United States History.

German and French as given under Course III will be accepted in place of Greek.

#### COURSE II.

LATIN.—As in Course I.

MATHEMATICS.—As in Course I, with the addition of the Theory and use of Logarithms.

English.—As in Course I.

Science.—The Elements of Physics and of Human Physiology.

German and French as given under Course III will be accepted in place of Latin.

#### Course III.

MATHEMATICS.—As in Course II.

ENGLISH. -As in Course I.

Science.—As in Course II.

GERMAN.—Grammar and Whitney's Reader, Boisen's German Prose, Schiller's "Wilhelm Tell," Storm's Immensee.

French.—Whitney's Grammar; De Rougemout's La France; Knapp's French Readings; Télémaque, three Books; Athalie.

Latin as in Course I will be accepted in Course III in place of German and French.

The object of the above requisites, in the different Courses, is to test the ability of the candidate to pursue the studies of the Freshman Class. Equivalents may be substituted for the books mentioned. Any candidate whose examination indicates ability to advance with his class, will be allowed to make up deficiencies by extra work after admission.

#### SPECIAL ADVANTAGES.

Haverford differs from most colleges in the fact that the small number of students to which it is limited enables a large amount of individual care to be given. This care tells not only in the mental, but also in the physical and moral well-being of the students.

Physical development is promoted by the wholesome conditions of living in a country locality of acknowledged healthfulness; by the large and beautiful lawn of sixty acres, lying within a farm of about two hundred and fifteen acres, embracing grounds for cricket, football, baseball, and tennis, a running track, and a pond for skating; and by a careful personal examination of each student by a trained physician, who directs the gymnasium exercises. These exercises are required of members of the Freshman and Sophomore Classes. It is our experience that, almost universally, the students improve in health during their college course.

The facilities for instruction embrace a Library of twenty-five thousand volumes, to which the students have free access for several hours daily; an Astronomical Observatory, equipped with large instruments of various kinds, which are used for practical instruction; a Chemical Laboratory, with thirty-eight separate working tables and full apparatus for analytical work; a Physical Laboratory, containing electrical and other apparatus; a Biological Laboratory, equipped with microscopes and charts; a Mechanical Laboratory, with engine, lathes, and various tools; together with apparatus for surveying, etc.

The Professors have been employed with reference, not only to their scholarship, but also to their ability to teach and their general wholesome influence.

The moral standard is maintained by care in the admission of students and by the separation from the College of such as are believed to be immoral; and by the efforts of officers who acknowledge their responsibilities in this direction, and are willing to exert such influence and take such measures as may be necessary to secure a good moral tone.

#### -EXAMINATIONS FOR ADMISSION.

Examination for admission will be held at the College on Sixth month 22d, 1891, at 9.30 A. M., and on Ninth month 22d, 1891, at 9.30 A. M. Applicants are advised to present themselves at the first date for examination, on at least part of the requirements.

The certificates of teachers of certain recognized schools will be accepted in place of examination, so far as they cover our requirements. Blank forms for such teachers to fill up will be forwarded on application. Certificates of private tutors will not be accepted.

#### EXPENSES.

In the undergraduate department the usual charge for board and tuition is five hundred dollars. It may be twenty-five dollars in excess of this sum, or one hundred and twenty-five dollars less than it, depending on the location of the room. In addition, the average annual cost of washing is about eighteen dollars a year; of books and stationery, about twenty-five dollars; students in laboratories pay for breakage and materials consumed. These items are charged on the term bills, if desired.

Day students are charged one hundred and fifty dollars a year for tuition, and two hundred dollars for tuition and dinner. In case a day student has the full room accommodations of a boarder, he is charged full price, namely, five hundred dollars.

Rooms are assigned in Barclay Hall, in the case of new students, in the order of application. A student can have a single room, or, in conjunction with another, can occupy a suite, consisting of a study and two adjoining bedrooms.

In the graduate department the charge for tuition is one hundred dollars, and for board and tuition is three hundred dollars.

For entry blanks, catalogues, and information, address

THE PRESIDENT,

HAVERFORD COLLEGE,

PENNSYLVANIA.

## Haverford College Studies.

#### CONTENTS OF No. 1.

The Library of the Convent of the Holy Sepulchre at Jerusalem.
J. RENDEL HARRIS.

Work of Haverford College Observatory. F. P. LEAVENWORTH.

On the Geometry of a Nodal Circular Cubic. FRANK MORLEY.

On the Period of Rotation of the Sun. HENRY CREW.

On the Symbolic Use of the Colors Black and White in Germanic Tradition.

Francis B. Gummere.

#### CONTENTS OF No. 2.

The rest of the Words of Baruch.

J. RENDEL HARRIS.

Some Esarhaddon Inscriptions.
ROBERT W. ROGERS.

#### CONTENTS OF No. 3.

The Passion of Perpetua.

J. RENDEL HARRIS and SETH K. GIFFORD.

On some Properties of the Triangle.

FRANK MORLEY.

#### CONTENTS OF No. 4.

On the Numerical Characteristic of a Cubic Curve, CHARLOTTE ANGAS SCOTT.

On the Caustic of the Epicycloid. FRANK MORLEY,

Sun-spot Observations.
H. V. Gummere and F. P. Leavenworth.

On a new MS. of the Four Gospels. W. C. Braithwaite.

A Catalogue of Manuscripts (chiefly Oriental) in the Library of Haverford College.

ROBERT W. ROGERS.

The Passion of Perpetua.
Translated by SETH K. GIFFORD.
Specimens of Uncial Lectionaries from Mount Sinai.

J. RENDEL HARRIS.

#### CONTENTS OF No. 5.

The Diatessaron of Tatian, a Preliminary Study.

J. RENDEL HARRIS.

Price, One Dollar Per Number.

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